

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: pmeier <pmeier@tir.com>
Subject: [13829] **Dayton QRP Banquet 97 Update**
Message-ID: <199703060329.WAA13850@tir.com>

UPDATEUPDATE****UPDATE****UPDATE****UPDATE****UPDATE

THE 4TH ANNUAL ARCI DAYTON QRP BANQUET
A PART OF F.D.I.M. SPONSORED BY THE AMATEUR RADIO CLUB INTERNATIONAL
MAY 16, 1997, 7:00PM HELD AT DAYS INN SOUTH, MIAMISBURG, OHIO

The menu has been chosen and the guest speaker confirmed.
For sure, YOU DO NOT WANT TO MISS this one! I am really excited about
this
years event as the meal is going to be fantastic with choices sure to
please
any palate. The door prizes are always worthwhile. This years guest
speaker
is a figure well known in Amateur Radio both nationally and
internationally.

Yes this is a teaser! Watch for the next F.D.I.M. announcement for more
information.
In the meantime grab your checkbook and a SASE and send me your ticket
request.
The the small fee of \$15 will bring you a great meal, an exciting
presentation,
great door prizes and an evening with the nicest people in Amateur
Radio...QRPers!

Checks payable to:
Pete Meier
4181 Rural
Waterford, MI 48329

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Raventhorne <jelder@ix.netcom.com>
Subject: [13874] 1st QRP QSO
Message-ID: <2.2.16.19970306074849.3c274556@popd.ix.netcom.com>

I've held a ham license since 1973, but until last night, never
=INTENTIONALLY= made a QRP contact. About a year ago I acquired a HW-8, but
it has gathered dust ever since. I fired it up for the ARS sprint monday
night, but power line noise (I have a set of 60+KV lines running about 25

feet away from my antenna, and we have plenty of beach fog to lay salt deposits down on the insulators) made it impossible to hear anything on any open band. Yesterday, however, was a dry day. About midnight I powered up the HW-8, heard a CQ and answered it. Much to my surprise I got a call back. I was 579 in Washington. When I mentioned I was running only a few watts I got "GOSH-ONLY 2 WATTS??? GOSH THATS A GUD SIG FER THAT PWR" What a thrill!

I gotta do this more often!

73,

John
K06TS

@~~~

@ John Elder, Wide Sky Men's Council
@ (310) 416-9901 Box 232, El Segundo, CA 90245

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "Tom Quayle" <tquayle@montana.com>
Subject: [13887] 30M QRP kit for sale
Message-ID: <199703061905.MAA13671@paw.montana.com>

Unassembled, new-in-box Oak Hills Research Spirit II QRP kit for 30 meters, includes keyer kit. \$ 150.00 shipped to your QTH.
Tom Quayle, WN7ECL

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [13866] 38S key/keyer connections
Message-ID: <3323ddcf.81548633@smtp.usit.net>

I have *almost* finished my 38S, and am wondering if one can add *both* the straight key connection and the keyer connection. I'm assuming I'll lose the sidetone with the sk connection. Occasionally I'd like to use my CMOS II with the radio (relay keyed). Plus, I don't have the TiCK chip yet, but I'm almost ready to smoke test ...

Tnx!

72 es 73 de=20

Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Guy Dragoo <gdrag@proedge.com>
Subject: [13869] 38S thumper & mod questions
Message-ID: <01BC2A11.604E8320@gdrag.proedge.com>

I am getting ready to construct my first 38S (pardon my virgin status = :-). I followed a thread for the last month or so on the thumping = occurring in the stock 38S.
Well, our mail server went down and I think I missed the resolution to = that problem...could anyone enlighten me as to the final solution and = fix?
Also are there any other "must make" mods other than those posted on the = Norcal web page?
Thanks and 73
Guy AC5HL

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [13872] 38S-ALIGNED, BUT SOMETHING'S STILL AMISS
Message-ID: <9702068576.AA857670324@smtpgw.ccgate.dl.nec.com>

Gang:

Thanks to the many nice posts yesterday on the proper method of tuning my 38S. Using the FT-840 as a reference signal (rx/tx) was the ticket.
(As Homer Simpson says "Doh")

Still seeing some strange stuff when sending, which may be why nobody is answering me! Instead of boring everybody with details here, if you would be interested in helping me, please post a private message and I'll tell you the gory low-down! (Actually, the answer is probably very simple, just eluding me)

Thanks
73 de Dave NR3E
nr Dallas, TX
qrp-1 #25, ARRL

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: km@PACT.ORG.PE ()
Subject: [13805] 40 meters at 40 feet
Message-ID: <m0w2R03-000VTNC@uurcp.rcp.net.pe>

Jim and Nancy pose an interesting problem.

The answer is to go for a quad!

Crazy! you say, Snow and ice loads....

1) Quads have lower angles of radiation than do yagis at the same height.

2) If you are not into rotatable quad arrays, the task is simpler and you can go for triangular elements instead of square.

3) If you want to rotate, then build 1/2 sized square elements -- size of 20 meter loops -- using loading coils in each corner.

4) While in TI2-land I built a 2 element and then 3 element 40 meter quad and hung it in a eucalyptus tree at about 40 feet (at the top!). SSB on 40 meters QRP to Siberia brought, "It is an honor to have had this QSO!" The snow load in San Jose was light :>)

5) See the write up in the ARRL anthology a few years back.

Quads, just like QRP, is a way of life -- don't get caught using a Yagi!

73,
Kris
OA4DBO

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [13871] 50 States in 50 Days Prizes and more

Message-ID: <199703061521.KAA18504@alaska.magpage.com>

Hey Gang,

FSFD was not only fun, but quite a surprise in the way of propagation. When the condx peaked in December for those 5-6 days it looked like this was going to be easy pickens. No way was this an easy activity. Unless you're retired, you faced the time problem plus the cruddy conditions and of course the sudden loss of the ND volunteer.

The New Jersey QRP Club (<http://www.njqrp.org>) is providing 2 Rainbow Tuners as awards for this activity. The first will go to Jim-AL7FS for his high Q-total of 98, and the 2nd Tuner will be given to the winner of a drawing from a list of all the volunteers at a dinner during FDI.

Special recognition goes to Bob-N4BP who worked a close second total QSO total of 94. There were many on the receiving line who worked over 40 states...quite an accomplishment for this type of activity.

Bob Hightower-KI7MN gets the "atta boy" award for his superb job handling of the Website info and updates. Next year the new NJ-QRP site will take on that responsibility. Thanks Bob.

Personal thanks to all who participated and especially those who offered suggestions. Those suggestions really helped make it better. It was nice to get to know so many nice folks.

Help Mike (still on knees in front of burning delivery truck) with 50/40/30 and we'll send out awards to all who want them after his activity is finished.

See you in FSFD-98 Jim K3QIO Delaware

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "Marshall G. Emm" <mgemm@mtechnologies.com>
Subject: [13889] Anti-Static Wrist Straps
Message-ID: <331F153D.6661@mtechnologies.com>

This is a multi-part message in MIME format.

-----121F311515DC
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

[This is a re-post. I have literally thousands of the straps, so please don't wait till tomorrow week ask if I have any left!]

-----121F311515DC

Content-Type: text/plain; charset=us-ascii; name="strap.txt"

Content-Transfer-Encoding: 7bit

Content-Disposition: inline; filename="strap.txt"

I've come by a supply of disposable anti-static wrist straps, which are a great (and safe) way to make sure that you are grounded when working with static-sensitive devices such as CMOS integrated circuits. Sure, you can run a clip lead from your wrist-watch or ear lobe to a convenient ground, and that will take care of static. But it will also route any high-current electricity that you happen to come in contact with, and is a bit like working with your bare feet on a wet floor. The SAFE way to do it, as with these straps, is to incorporate a current-limiting resistance so that static will be grounded off without an increased risk of electrocution.

While I've started including one at no charge with the Island Keyer kits, I've got more than I really know what to do with. So here's the deal--

Send me One Dollar (\$1.00) and an SASE with 55 cents postage on it and I will send you FOUR wrist straps.

I'll also include some product literature since it won't increase the postage cost. Or if you are ordering something from Milestone Technologies via the web site (url below) or by phone just mention this to get any number of wrist straps at 4/\$1 with no additional postage cost.

By the way, these are genuine 3M 2209's in original sealed packaging, and they are UL certified. They include the wrist strap, paper lead with embedded conductor and resistance, and copper foil tape to attach to a convenient ground.

Send your dollar and a BUSINESS SIZED SASE with 55 cents postage to:

Milestone Technologies
3140 S. Peoria St. Unit K-156
Aurora CO 80014-3155

Please DO NOT SEND CHECKS! Ordinarily I don't encourage anyone to send cash through the mail, but hey-- it's only a dollar. Checks cost me more than that to process!

If you need more info e-mail me direct at aa0xi@mtechnologies.com

rather than take up bandwidth here!

73

Marshall

AA0XI

<http://www.mtechnologies.com/mthome>

-----121F311515DC--

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [13857] ARGO 556 vs. Sierra Results (LONG)
Message-ID: <199703061434.JAA50787@nss2.CC.Lehigh.EDU>

Hi Gang,

I week ago I essentially asked the question, "Should I get rid of my Cubbie and build a Sierra"?

Well, I recieved lots of very nice replies and here is a summary of the results. Lots of guys own both and had very good things to say about both rigs.

Current wise (battery size), the Sierra consumes less current (2 watts @ 12.5 VDC on most all of the bands, mileage may vary), than the Ten-Tec 556. I don't have much of a problem pulling modules in and out of the Sierra, the new ones have covers on them with 2 pull areas (tight). The Sierra is very light weight, the better noise figure still resides with the Ten-Tec, but just barely (checked with a HP Analyzer). You will spend (if You are not into SSB) slightly over \$300.00 for the 10 - 160 meters (band modules) version of the Wilderness Sierra vs. over \$600 (band modules) for the 556. I like the patented Jones filter a bit better, in the Ten-Tec, but You can get used to the variable BW of the Sierra. A dsp filter would be an asset. All in all, I can hike into the wilderness, with a Sierra, comfortably (2 watts) & a 4 amp-hr. battery. Nothing against the Ten-Tec, but Wayne - N6KR has done a very fine job of constantly improving the radio (KC-2) & numerous mods are published. I have not seen a published list of mods, other than 2, for the Ten-Tec 555. I am sure that Ten-Tec will improve their designs in the future too. The Ten-Tec 555/556 suffers from the uProcessor not completing the update loop, above 28 wpm (cw). I have not hit that boundary with the PIC in the

KC-2. Each has pluses, but I like to have light weight gear, to carry up the side of a Mountain, here in New Mexico.

Numerous mods & documentation are around for the Sierra. Stability (freq.) is with the 556, but You don't take either xcvr into extreme conditions. The Sierra, that I have, had gone together in 1 week & I was not pushing it.

I happen to own both rigs, so will venture at least a partial response. To begin, let me say that I both of them equally. Let me also say that I did not myself build either of them, meaning that they work [only] as well as they were constructed.

Frankly, I use them interchangeably, depending on my whims (and location, I guess). The TenTec is powerful, with a wonderful audio section. The band modules are *much* easier to change--you don't have to open a case, etc. And when I am using it I simply operate, almost as if it is simply a natural extension of what I am trying to do. I always chase the FOX with it. The quality of construction is flawless, and I have always found TenTec a pleasures to deal with, since I first purchased a PM-3a over thirty years ago!

I like its backlighted frequency display, but it adds at least 100ma current drain (making it practically unavailable for portable use, despite its fairly compact size andbullet-proof construction).

OTOH, I am equally thrilled with and intrigued by the Sierra, and will *never* trade mine away. Some guy decided to sell his, in a moment of indecision, I suspect. I have all modules for it, too. When I go portable, I take it, along with its smaller brother, the Norcal 40a. It is very quiet, easy to use, with extremely low current drain. Mine has the builtin KC-2 keyer/digital display, so it is a real "cadillac" compared to one with no KC-2 or even the KC-1.

Personally I cannot tell any significant difference between the two rigs re sensitivity, and selectivity is adequate.

As I look back over the rambling notes above I realise that the ARGO is my first choice for home QTH and convenience. And the Sierra is more for portable use in my situation, though it could easily serve as a main fixed QTH rig.

Perhaps if I had gotten the Sierra first, might have never looked at the TenTec. But I am glad to own both!

-
For what it's worth, I think you need to be comparing 3 radios--the Sierra,

the Argo, and the QRP++. I have all three, so I can give you my thoughts in hopes that it might be of some benefit to you.

First of all, let me say that I am an avid Ten-Tec man, and have been so for years. However, I think the Argo (and the Scout too) are not a particularly good buy. They are darn good radios, but overpriced in my opinion. By the time you add the band modules for all the bands, the noise blanker, and the mike, you have almost \$900 bucks in the rig. That's really too much I think for a radio you have to swap band modules in.

The QRP++ has generally the same features (but no noise blanker) with more convenience for \$200 bucks less. The QRP++ also provides general receiver coverage, has a better variable filter, and works split! Admittedly the QRP+ and QRP++ have gone through some problems, but I think most of the big problems are solved now in the ++ and you get a damn fine radio for the money. I could go into more detail, but I may not need to.

So where does the Sierra fit in? Well, first of all it's about than half the price (including the KC2) of an Argo. No SSB though, and I don't have 160 meter or 10 meter modules yet. I'm not sure I can make a really good case for the Sierra over the QRP++ on a pure dollar/benefit basis, but there's something really magical about the Sierra that makes it a "must have" in my book.

The Sierra is a truly top notch performing radio, particularly considering it's relative simplicity to construct. It's fun to operate (and smooth--maybe not silky smooth, but smooth) and you will hear anything the Argo or QRP++ can hear. Maybe more. It's still hard for me to believe (after building all those old Heathkits for all those years) that you can build something like the Sierra in two or three evenings that works so well.

The feeling of accomplishment you get is really worth it.

The coup'de grace' in the Sierra is the addition of a KC2. Now you have a homebuilt radio with some "gee whiz" add-ons that really work and are fun to talk about. The keyer is great, and the display is too.

So, in a nutshell, I guess the last radio I would get rid of is my Sierra. But the QRP++ (and the Argo) have advanced features plus SSB which make them not really comparable. But if you want those type of features, get the QRP++

and forget the Argo.

--

Digital hiss:

Sierra with digital readout none, 555 Scout -lots, its annoying

>

>pleasure to use ratio

Scout has SSB and 5W

Sierra has CW only, has 1 to 2W max depending on band

Scout has high current drain, Sierra is 30 mA on receive

The Scout filtering sucks, yes its 500 Hz, but sounds like its 100 to 600 Hz

freq response. I got booming interference from stations on the other side of zero beat. The sierra variable bandpass filter is better than on my \$2100 TS-850. In fact I don't use my TS-850 anymore because of it.

BOTTOM LINE: Both are very good rigs. Backpacker have an easy choice, the Sierra. I drive my 4x4 to my /P operations so the current drain is not a consideration. For a home rig, the TT is a bit more convenient. And has SSB for those rare treks to insanity; BTW, where did I store the mic?

And lastly, it is clear that I should really be looking at the Index Labs rig. It has all the features and power of the TT. The current thriftyness of the Sierra, and split operations for snagging those DXpeditions. And let's not forget no band modules to pop in and out! For now I am keeping the TT. The 4x4 can surely handle the extra weight of the marine battery for those /P outings -:)

72, Mark N2VPK

Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997

From: "Claton Cadmus" <aplitech@Spacestar.Net>

Subject: [13802] Arrl Handbook 12 V Plug Standard

Message-ID: <199703060017.SAA27661@Spacestar.Net>

A few days back someone posted on the subject of the ARRL Handbook containing many of the answers to questions asked in this forum. One of the references sighted was for an ARRL 12v power connector standard and gave the handbook chapter and page. Unfortunately the author neglected to mention the year of the ARRL Handbook that was being referenced. I could not find it in my 1991 issue and the message has hit the bit bucket. Would the author please post the Handbook year, or someone else perhaps

that might know. We are talking about establishing a standard for our club and this info would be very timely.

73 de KA0GKC Claton Cadmus
E-mail cla@spacestar.net
TCP/IP ka0gkc@ka0gkc.ampr.org
Ask me about the Minnesota QRP Society!
<http://www.spacestar.net/users/aplitech/mnqrp/>

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "Glenn E. Scott" <scotty@facade.adm.clarkson.edu>
Subject: [13855] ATU Advice
Message-ID: <8CADF4C6BA0@FACADE.ADM.CLARKSON.EDU>

I would like some thoughts, advise, or suggestions for an automatic antenna tuner. I would like to make an ATU to sit out at the bottom of my tower instead of sitting on the bench of the shack, to tune my antenna. Has anyone done this and is it worth the effort to try to accomplish ?

If so, has anyone got any suggestions on any kits out there in the market or an articles on such a project ? What are the pro and cons of this idea? My requirements are pretty simple(I think), I would like something to handle a maximum of 50 watts power, (just in case my daughter or wife fires up the Argosy instead of the Argounaunt II), and be able to tune 1.8 - 30 mhz. I would like something that draws very little power 'cause my tower is about 50-60 feet away from the house and I will need to run the control voltage through the conduit that has my coax for the antenna and there isn't a lot of room left in the conduit, so I will need to run fairly small wire.

Any suggestions can be E-mailed to me directly to save chatter on the net.

I will thank everyone in advance because if I get the input on this that I received on the last , I will be forever thanking everyone. Soooooo, thanks to everyone for the input.

" 73 " N2ULU (GLENN SCOTT)
QRP-L #403, NE QRP #448, NCARC
Scotty@facade.clarkson.edu

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Joe Gervais <vole@primenet.com>
Subject: [13900] Back Home Again / Sierra Mods?
Message-ID: <199703062216.PAA26084@usr05.primenet.com>

Howdy Folks,

Back from my latest little business excursion, and am happy to report that I got much smarter this time around - I brought along my unbuilt Sierra "motherboard" and Ungar soldering station. Oddly, despite all the equipment/parts I brought along, airport security just whisked me through. Contrast this with my sister-in-law who, two weeks ago, had her bags searched due to a suspicious bottle of mousse. Guess I look too innocent for my own good....

Thanks to my usual "travel insomnia" hitting hard I found myself with plenty of time to build up the main board over two nights. What a great looking little rig!

Now I just need to build a few band modules and (thanks to a fortunate flaw in my genetic makeup) I actually *like* winding toroids, so should be fun. :-)

Which leads me to... Sierra mods. Is there a website that has 'em? NorCal and Wilderness Radio webpages didn't (unless I missed 'em). If not, I'll gather all I can and make a Sierra Mod webpage. Let me know!

Thanks!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"What, a RAW FROG?!? Don't you even take the bones out?"

"If we took the bones out they wouldn't be crunchy, would they?"

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997

From: Dave.Ackrill@westwood45.powergen.co.uk

Subject: [13850] BPSK

Message-ID: <970306093405Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB@MHS>

I've got a copy of the program by VE2IQ of a web site. However, downloading pictures as part of a HTML file seems to elude me at present. All that shows up in the file when I view it off the disk is a question mark.

So, does any one know where in the UK I can get a copy of the VE2IQ circuit please? I'm prepared to cover the cost of photocopying and send a stamped addressed envelope if necessary.

Thanks - Dave (G0DJJA)

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [13822] CEE-22
Message-ID: <199703060245.UAA13191@spd.dsccc.com>

Quoting from the 1993 ARRL handbook, page 27-1, the chapter titled "Power Supply Projects":

"The International Commission on Rules for the Approval of Electrical Equipment (CEE) standard for power supply primary circuit connectors for use with detachable cable assemblies is the CEE-22."

Did you catch the part about "primary" ???
Did you catch the part about "detachable" ???

Quoting Charles Cashion:

"I would recommend the Radio Shack 274-222 blister pack connector pair for 12 volt connectors used with low power equipment. Especially for less than 8 amperes."

Enuf said...

Charles Cashion, w5isz, QRP-L#76, ccashion@spd.dsccc.com

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [13803] Charlotte Hamfest KL Luncheon Info
Message-ID: <331E102C.6F4D@amsat.org>

CQ QRPers,

Spring is in the air, signaling that it's Hamfest Time! Come by and meet fellow KnightLites from near and afar at Hamfest Table #J7 this coming Saturday morning. The KnightLites cordially invite one and all to join us for a KL Luncheon at 1PM Saturday, March 8th at a nearby Shoney's

Restaurant. Bring your family and friends to lunch. Directions follow. (Thanks to Rick, KF4AR, for setting up the luncheon.)

We've got several spaces left for anyone who would like to carpool with us from the Research Triangle area.

CU soon,

Paul AA4XX (919) 779-1637

Richard E Robinson wrote:

>

> Paul,

> The address of Shoneys is:

> 3701 E. Independence Blvd.

>

> The Merchandise Mart (Hamfest site) is at:

> 2500 E. Independence Blvd.

>

> Head east from the Merchandise Mart, the Independence Arena (old

> Coliseum) will be on your right. Go under Eastway Dr. and at

> the first stop light you will see Shoneys on the left.

>

> I reserved the room for 1PM in my name Rick Robinson.

>

>

> X Hamfest

> X Shoneys

> Light

> Shopping Center

> Eastway Dr.

> I hope this map will survive the email.

>

> Let me know if it doesn't and I can fax you one.

>

> 72/73,

>

> Rick

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997

From: Ted Albert <72437.651@CompuServe.COM>

Subject: [13806] Colorburst Sprint Reminder

Message-ID: <970306003630_72437.651_IHD54-1@CompuServe.COM>

The fifth night of the Colorburst Sprint is this Thursday, 3/6/97, from 9-10PM EST. Participation last week was very strong with many stations running crystal-control and/or tube transmitters. The Colorburst window last week

ranged from about 3.577 to 3.580 and was very busy for the entire hour. Stations able to do so are encouraged to tune around their transmit frequency for responses from stations running fixed crystal-control. Don't forget that the Colorburst Sprint presents a great opportunity to get contacts with that Pixie or 80-9er rig, and you may get the opportunity to work a QRP glowbug station, as members of the Glowbug list will be joining us for this event.

After the Sprint has closed at 10PM EST, I will switch to 3.686 Mhz and look for QRP contacts. I modified this year's transmitter to offer 3 crystal frequencies, 3.560, 3.579 and 3.686 Mhz.

Attached with this note are the rules for the Colorburst Sprint.

Hope you can join us!

72 de Ted, KF8EE
NE404

Announcing the :

QRP-NE (QRP Club of New England)

79er SPRINT

When: Each Thursday evening during February and March, 1997

Modes: CW - Crystal and VFO Control

Freq: ~ 3.579 MHz

Power Level - 5 Watts or less output power

Time: 9:00 - 10:00 p.m. EST

Exchange - RST QTH NE#X NAME; ie.....579 OH NE404X Ted

Members use QRP-NE number; NE404 and add X if XTAL control; NE404X

Non-members use Power Level; 4W and add X if XTAL control; 4WX

QSOs are cumulative: Work the same station on subsequent Thursdays.

Score: QSOs X SPC. Crystal Station Bonus: Total score X 1.5.

The 79er transmitter was NE-QRP's first club project. It uses a 3579.545 kHz crystal to set the frequency. These crystals are used in

the colorburst oscillator of all color TV sets in the United States and Canada, and in other devices as well.

The 79er event is an on-the-air get together, not a contest. Crystal-controlled stations append the letter "X" to their calls, such as "KF8EE/X." Yes, it's legal. We hope this event will stimulate everyone to build a crystal-controlled transmitter to use during the event!

Send Logs to: Ted Albert, KF8EE
 1924 Timberidge Drive
 Loveland, OH 45140

(or)

e-mail Logs to: 72437.651@compuserve.com

Logs need to be received by April 30, 1997. Results will be published in "72". State Output Power Level, Type of Rig, and Antenna Type on logs. Include comments on the event or how you built your crystal-controlled transmitter for inclusion in the report in "72".

Watch out: W1AW transmits bulletins at 10:00 pm. on 3.581 MHz

Transmitter Reference articles:

In case you were wondering, "79er" comes from 3.579 MHz

Articles abound on building a simple crystal-controlled transmitter for 80 meters. Try the "Universal QRP Transmitter", page 26 of "Solid State Design " (ARRL), or "The Oner" (Sprat), or "The Cubic Incher" (ARRL), or "The 79er"/"Colorburst Special" (QRP-NE).

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "Marshall G. Emm" <mgemm@mtechnologies.com>
Subject: [13837] CQC Web Site Update
Message-ID: <331E477F.2A6B@mtechnologies.com>

The Colorado QRP Club's web site has been updated. In particular, details of the next meeting have been added, along with a number of new links. To check it out, surf to <http://www.mtechnologies.com/mthome> and look for the CQC logo near the bottom of the page.

73

Marshall

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [13817] Debugger #2: Epilogue
Message-ID: <199703060203.UAA29811@multi13.netcomi.com>

The Radiokit QRP40 is on its way to the airport as I write this, with guaranteed delivery to Doug Hendricks by Friday. (I intended to include the adapter cables that I put together, but I forgot. Sorry, Doug. Did you know that your zip code was one for which they will not promise to deliver the next day? Where are you, in the middle of the desert?)

I have my fingers crossed that the rig will arrive in working order and that the judges will be satisfied with the results. I got mail from debuggers number 3 and 4, and I think they are hoping even harder!

As I believe I said in a previous post, this contest was more of a team relay race than a competition between opponents. Larry did a great job on the first leg of the race, I did the best I could on leg two, and came close to having to hand off to debugger # 3. There was a lot of work to be done to get the radio working. I would not have been able to finish in seven days had I been the first contestant. However, both of us together managed to achieve better results in two weeks than I think either of us would have done alone.

It is perhaps interesting to compare styles. Larry attacked the problem by checking and double-checking the details. Since the documentation was so lacking, he gathered all the reference material he could about the design and looked for errors and inconsistencies. He methodically checked each and every part. He recalculated many of the design equations to find the errors in parts values. He disassembled, tested, and reassembled. It takes a great deal of patience to do this, but it was absolutely necessary for this kit. I remember reading comments on the list wondering why he didn't just plug it in and look for smoke. I have to admire his willpower to get it right even when the urge to 'go for it' must have been very strong. I'm very glad that Larry did this preliminary work, because it permitted me to do the part that I enjoy the most. I turned the board on, and worked through each stage, playing as I went. At each step, I tried to predict what I would see, then confirm it. If it wasn't what I expected, I had to create a hypothesis about why it would behave that way, then test again. I played the game of "what happens if I do this?" over and over,

trying to understand what was happening in the circuit. Everywhere I could, I tried to confirm correct operation in more than one way. In his last few days, Larry started on this part of the debugging but ran out of time. He would have had a time advantage at that point, because he had already simulated all of the circuits in his mind and on paper. It was clear to me after re-reading his notes that he had suspicions about many of the problems that I encountered.

Debugging takes both sweat and inspiration.

Why was this kit so hard to get working? The Rick Littlefield design is basically sound. The fault lies in the implementation. The board had no silk-screen. The parts placement drawing did not exactly match the board layout and most of the components on the drawing were identified only by value, not reference designator (i.e. R1, L2, etc.). Different versions of the kit work on different bands using different component values; however, the documentation was not very clear about which versions needed which modifications and which values. Some of the components supplied with the kit were the wrong value. The kit builder had ample opportunity to fail, and it required a lot of effort to figure out what was right and what was wrong. Some of the problems I encountered could be blamed on the design, but could also have been averted by some warnings in the documents, like "do not use a socket for the MC1350 because this may tend to make the IC oscillate". All kit suppliers could learn a little from Heathkit.

I don't know if you had as much enjoyment out of the exercise as I did, but I would like to see the contest repeated. I would love to see how other people attack problems and find solutions. Thanks Doug and Chuck. Maybe you can make a QRPP article out of this.

Now, it's time to get back to organizing the 50/40/30 challenge.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [13824] Debugging Contest
Message-ID: <199703060246.CAA18523@chuck.dallas.sgi.com>

Gang,

Congrats on the fine work done by Larry and Mike. And yes,
Doug does live in the Desert. :-)

If it is OK, with Doug, I will send Doug a check for \$100.
We will give both the 'team' members a TenTec 13X0 kit. This
ups the ante on Doug's and my end for this work.

The TenTec kits will be a no-brainer for these two guys. All the
way around for sure.

The purpose of the exercise was completed way beyond both Doug's
and my expectations. We knew it would be done and we knew it would
be done fairly rapidly.

More importantly we saw a methodical approach to problem solving.
We saw that if you document as you go (heck, Larry wrote a book)
and you do research you get much further and you learn much more
than if you just jump in the middle and hope that you know and you
hope that you learn enough to get the job done.

The postings by both gentlemen were appreciated and welcomed and
if everyone paid attention and didn't immediately hit the delete
key almost everyone learned something. It is like being there.

Both Doug and I are teachers. We have the desire to see everyone
take pride and joy in education and learning. It is the thing
that separates us from the rest of living organisms on this orb
we call our home. I love when people post about technical libraries.
Spend as much as you can on books, both new and old. Don't let them
die and don't let them wind up in some dusty musty crusty basement
or garage or attic. Oh, and be sure to read them. They do open
up, you know.

Many want to jump in and contribute on the prizes. For myself I
say hold on to your contribution. Use it to help others. Since
four years ago when we formed this group the central theme has
been and I hope will long continue to be 'pass it on'. Do a
good deed for others and offer help when help is needed. We as
a community grow daily with little tidbits posted by others.
We say "hey, a neat idea. why didn't I think of that? I'll
use it on the next project, antenna, whatever...". This group
has a lot of knowledge and a lot of information and a lot of
money as a whole. People are watching us. Some are jealous
and others try to belittle us and cause us difficulty. Let us
all continue to work together and go forth and conquer greater
problems that confront us tomorrow and the next day.

Now Doug and I could go broke doing this all the time. So
there is not another problem in the wings at this time. The
other radio is being kept by the owner and hopefully he can

learn from the experiences we saw so elegantly and swiftly posted to this group. We will continue to give back to the community as time and resources permit. This is fun.

OK, back to your rig and back to your workbench. I know you all have a project still in the box. Aren't you inspired to get to work on it yet? Shame on you if you are not. :-)

Get on the air. We still need more entries in the logbook. I will be on when I'm in town to add to the TX count. It's now a challenge. I'm working on another project and will let you know how it goes when the results are posted on the Internet. No fair speculating.

dit dit

Chuck Adams K5FO adams@sgi.com DXCC=11
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [13821] Debugging Contest afterthoughts
Message-ID: <Pine.GS0.3.95.970305212855.22785A-100000@lictor.acsu.buffalo.edu>

So.....

Would you recommend the radiokit for:

- 1) new kit builders
- 2) experienced kit builders
- 3) people that collect unbuilt kits
- 4) "debugging" contests
- 5) other (enemies, punishment, curiosity, parts, etc)

Sorry, but I thought it was funny.

Actually the ordeal reminds me of the usual scenario when I build homebrew equipment from the ground up (without a kit). :-)

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: jim n0ur <LAGESON@worldnet.att.net>
Subject: [13810] DX Address
Message-ID: <19970306005809.AAA19090@LOCALNAME>

Is there someplace on the "web" I can look up the address for DJ6SI (qsl mgr for TN6X)??? I've poked around, but no luck, I thought it would be easy to find, but.....

Thanks, 73/72's Jim N0 U R!

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: tmh@world.std.com
Subject: [13828] for DL1DXA or 9A1A
Message-ID: <Pine.SGI.3.93.970305221326.22109A-100000@world.std.com>

I worked these two stations during the phone contest. One of them said he was on this list, but I can't remember which! I checked the list of members from the listserver with no luck. If you worked me as N1PAZ/QRP on Sunday around 1800-1900 UTC on 20m I would very much like to contact you via email to get QSL info, etc.

Everyone else: sorry for the bandwidth, but, hey, the subject line said it wasn't for you! :-). And if you have any info on either of these, please, oh please...

Tim N1PAZ
tmh@world.std.com

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: BERGESON@PPCC.CCCOES.EDU
Subject: [13882] For Sale
Message-ID: <01IG6HJ342JA9S3TR7@PPCC.CCCOES.EDU>

FOR SALE: INDEX LABS QRP+ transceiver. New and unused (never been on

the air.) Has original box, instruction book, power cord, and microphone. \$500.00. I prefer a money order or certified check.

I can be reached at this e-mail address during work hours, or at home in the evenings or on weekends at HBWOMXY@AOL.COM

Hal Bergeson, WOMXY
1515 Custer Avenue
Colorado Springs, CO 80903
Phone: (719) 471-0238

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [13820] For Sale Items
Message-ID: <Pine.LNX.3.91.970305180002.14474A-1000000@dt1.datatamers.com>

Gang,
I'm giving this group first crack at these gems before I take them to the Foothill Flea Market early Saturday morning:

Item 1: A QRO-type "variac". Superior Electric Co. Powerstat, 230V, single phase, motor-driven, 0-253V output @ 28A, Type S22078-B (similar to type MB1256). Size 14 X 17-5/8 X 14-1/4 inches high (shaft vertical). Weight about 95 lb. Used, very good condition. Pick-up only.
Price \$125.00 firm.

Item 2: An HP-8554L RF Plug-In for 141-T, or 140-T mainframe Spectrum Analyzers. Frequency range 500kHz-1250MHz. Manual copy included. Excellent condition, works fine. Price \$500.00 firm.

Sorry about item 1 not being QRP related, but some of us work QRO on EME, etc. and may have a keen interest in such an item.

72 / 73, Dave, W6EMD, Redwood City, CA

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: tayloe_d@juno.com (Daniel R Tayloe)
Subject: [13825] Fox - Az Shutout!
Message-ID: <19970305.195011.7119.1.tayloe_d@juno.com>

Well rats! No fox here last night!

As I headed upstairs earlier in the evening, my wife asked me where I was going. "I will be right back down in a moment". After all working CA from AZ is about as difficult as falling off a log, right?

NOT!

I could tell by the hunters that a fox was indeed out there. About 45 minutes into the hunt, I called up the grand master of fox hunters, Floyd, NQ7X and compared notes.

Yep, we both heard all the same players..... KH6RF/MM, WA8KHA, XE1YJL (all QRO ops hanging around the area) as well as other QRP hounds such as VE5RC, N2VPK, W8RU, N4RA, KB9IUA, N4SO, K0EVZ and several others..... But no fox.

The skip was to long.

There was some hope for a moment as I heard a close in NM station work the fox. I hoped the band might shift a bit.

Two hours later, and maybe, just maybe a few dits of the fox to show for it. So much for the short haul capabilities of a big loop! Oh, well.....

Bring on the next fox!

- Dan Tayloe, N7VE, Phoenix, Az, QRPL # 696, Az ScQRPions

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
Subject: [13859] Fox Filters
Message-ID: <331ED4F1.696@uts.cc.utexas.edu>

Hey Texan Fox Hunters,

It appears our pilot test of the new digital CFF(California Fox Filter) reflector umbrella (U1.V101a) really worked on that pesky Arionza group the other night. Not a single signal got through to N6WG. We may have been a bit sloppy in the installation and caused a minor rip or terror in the reflector as a "gusher" of 4 Oklahoma hunters accidentally slipped through. I think changing the reflector angles several degrees to the north may solve that problem.

I suggest we implement phase two and set it up on the California borders

for tonight's fox. Only five foxes to go and the score is just a little too close to let the propagation gods dictate the outcome. I predict with the reflector elements properly aligned that this could be the first ZERO night for the California hunters. I'm not sure the reflector is robust enough to cause propagational scatter to interfere with both the Arizona and Oklahoma hunters, but we can refine the technical details after a thorough analysis of tonight's results. I see huge Texas scores for the final five.

See you on the band. Texans unite at the Fox frequency tonight!!!!

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [13908] FOX Standings March 6th
Message-ID: <199703062349.XAA21095@chuck.dallas.sgi.com>

Gang,

Looks like CA is about to win the big game if we don't skunk 'em in all the remaining. Come on TX.

Oh, you wonder where I am. Listening but not hearing anything much. I think someone stuck a pin in my 300 ohm ladder line. Yeh, that's the ticket. But I have a bigger project going on the sidelines.....

FYI

Foxhunt Current Standings March 6, 1997

The Big Game!!!! CA-25 TX-20

Fox Scores

CALL	CONTACTS	STATE	TOTAL POINTS
W5TFB	77+71	TX	148
K2NF	59+47	FL	106
W5FN	50+56	TX	106
W1HUE	55+47	ID	102
AE4IC	53+48	NC	101
NQ7K	37+49	AZ	86
W8RU	47+37	MI	84
K5OI	37+46	NM	83
N2VPK	36+42	NY	78

W0CH	49+24	MO	73
AA1IK	30+38	NH	68
W03B	29+36	MD	65
KS4L	38+21	AL	59
N6WG	36+23	CA	59
AB7TK	22+21	ID	43
N8VAR	23+18	OH	41
KA5DVS	25+16	NJ	41
AE9K	23+11	WI	34
KF2PH	12+20	NY	32
W8KC	11+15	MI	26
KU7Y	57	NV	
N6GA	56	CA	
N9DD	40	IN	
N2TNN	29	NJ	
W1EAT	21	VT	(was WA1GUV)

Total Qs = 1,200+

Novice and Tech+ Scores

KB0ROL	12+ 9+11+ 18+ 4+ 6+ 4+ 7+ 7	CO	78
WA7SSA	7+ 5+ 3+ 14+13+10+ 2+ 9	ID	63
KB9JLO	12+ 9+19+ 8+ 5	IL	53
WD4MSM	5+ 5+ 9+ 3+ 3+ 5+ 4+ 2+ 3+ 3	IN	37
KB9LGJ	11+ 3+ 5	AZ	19

Total Novice/Tech+ Qs = 233+

Note: X.5 means X regular foxes and .5 means one Novice(5 pts)
 so that score is X+5. Only one Novice per non-Novice stn.
 So 3.5 means 3 regular and 1 novice for total of 4 contacts,
 but 8 points total. Only one Novice contact allowed for
 for the five points for the season for stations other than
 Novice/T+.

Hunters Scores (and it's a close race)

Leader of the pack is: (28.5) NQ7X Floyd in AZ

AA0XI(26.5) W00Q(14) W0CH(6.5) WB0CLD(5) AB0CD(5.5) KI0G(5.5) AA0XZ
 KQ0I WA0FGV NI0A(17.5) K0EVZ(8.5) WA0RPI(2) KD0SU(4.5) KB0VCC(3)
 AA70A N0TFI KB0PJ N0UR(3) AB0DC K6QD W0HEP(1.5) KB0YMI(0.5)
 W0SS KB0YBX(0.5) NG0M(0.5) N0UVR(0.5) K0FRP(1.5) WB0CGH

N01E KB0ZDF W0RW(0.5) W0FG WB0JVQ K0EVH NF0R KB0LMQ

K1MG(27.5) W1HUE(18.5) AK1P(11) WA1QVM(8.5) N1RXT(3.5) KA1AXY(9.5)
N1QQV(10.5) KC1GS W1UI(0.5) AA1MY(7.5) KC1FB(8.5) K10J(11.5) WA1UPB
W1EAT(2) N1UMA NT1U(2) WA1VPB K1CL(4) AA1PD WY1W AD1E

AA2WJ(13) AA2PF(8) N2G0(5) WZ2T(3) N2VPK(11.5) K2VNM(8) N2YRJ(3) N2TNN(6)
K2NF KG2DP KF2PH(2.5) N2T0 W2DP(2) K2VC0(12) W2NRA N2CX W2UX AA2ZW
N20FG KG2H K2LGJ KA2UPW W2RQ WJ2V

K3ETS(2.5) N3SLR N3KFL(2) W3PNL(4.5) KA3WMJ(3.5) W03B(8.5) KT3A(3.5) NR3E(5)
W3WZ(3.5) KV3NX AA3MD NF3I(1) KA3WMJ(2) K3QIO(3) NR3Z W3DW(1.5)
N3G0 AA3KR

KE4YH(24.5) AE4IC(13.5) WB4ZKA(4) W4STX(2) KS4L(3) KE4KDT(1.5) AD4ZE(4)
WJ4P(6.5) K4CGY(2) KK4KF(8.5) N4S0(10.5) KI4JA NR4N(1.5) N4EUK(0.5)
KS4HQ(0.5) K4PQC(2) KS4V KQ4AL N4IM(3) KC40(5) WX4P(3) AE4MX W4M0
AB4RR KD40BQ(3) AE4VQ N4JS(3) K4WZ(3.5) KD4SJM(0.5) K04A KE4WQH(2)
N4BP KU4AF W4HFU N4PA K4QE KF4KRV(0.5) AE4JM(1) KI4PZ(2) AC4YK AB4WQ
WS4S K4GT NV4E N4GHI WB4TPW

W5FN(25.5) KK5R0(22.5) N5ET(19.5) AB5UA(20.5) W5TFB(21.5) K50I(25.5)
K5W0(10.5) K5UP(16.5) K5ZTY(17.5) KK5MC/5 WA5WHN(2.5) AC5II(10.5)
N5JKY(11) K5F0(7.5) WB5QYT(4) W5VB0(3) KK5GJ(1.5) K5RV(12)
W5HNS(10.5) WA5CVM AC5CI KA5DVS(2) NA5N(4) KA5T(17.5) WD5GKH
K5ON(13.5) KB5YVT N5LU(18) KE5TF(12) N5AL0(3) KE5FT KJ5SP(4)
K5JHP(12) WB5J K5M0 KC5R0(4.5) W5CTZ KJ5VW(8) W5XE(11.5) KK5NA K5JP
K5ID(4.5) NA5K(2) AB5ST K5PSH W5SST WA5YFY K5LE(3) K05W(1)
W5QJM KC5VYE(0.5) K5ONF WB5GWB AF5Z W5APX K5WD K5VP KC5EIV
W5CU N5BGZ

N6XU(27.5) W6BAB(26.5) KK6MC(12.5) N6WG(17.5) K6JI(5) KI6DS(3) WA6NAE(14.5)
W6ABX K06KA(15.5) KI6SN(2) KD6ZMJ(3.5) WA6MOK(0.5) K6VNX(18.5)
WA6HHQ(8) AA6R(4.5) WA6OWR W6EMT(6) N6GA(2) AC6KW WA6GER(2.5)
W6EMD(6.5) WB6LMA(0.5) KI60Y(9.5) N6KR(2.5) W6ZH(25)
W6SI WA6EIW W6KAK K6JI(7.5) N6MM(18) W6SU(21)
W6JHB(3.5) WD6FDD(2) W6SIY(2.5) W6Z0H N6VZ(3.5) N6XI KD6YIX(3)
WA6PBY W6KI WA6TLA(3) WI6I KF6CTA K6YR N6LUI W6GPM

NQ7X(28.5) KK7BD(26.5) KU7Y(22.5) AB7TT(18.5) N7GS(15.5) NQ7K(17.5)
AB7ST(15.5) KI7MN(10.5) N7KT(12.5) WW7Y(4) N7MFB(3) WB7DU0 W7JDZ(9.5)
AB7HI(2.5) KJ7NS(3) AB70A W7SNV(2) N7CQR(3) AB7MY(6.5) N7MFB KJ7LB(0.5)
W7LR KJ7UN(1.5) AL7FS(1) KE7IT(2) N7CTJ(3.5) AA7QU(3) W7GVN(12.5)
W7FXH(0.5) W7KXB(4.5) WJ7H AB7TK(14.5) KJ7ZU(0.5) KC7SYL(0.5)
WA7LNU W7TP(2) W7GUN(0.5) KI7NS(1) KG7PV KE7X KA7YOU W7GH W7LYO
KC7PG0(0.5) AA7ST N7MFB(2) N7VE(3) K7CT

W8DN(11.5) WA8CDU(9.5) W8KC WD8LDY(3) W8EO N8VAR(4.5) N8CQA AC8W(7)

KF8EE(3) WD8KQY W8LRM WA8CDV K8BVJ(1) K8IDN K8DD KB8GDF(0.5)
N8OEF WA8GHZ W8BDR K8FF AA8EB W8RU

KB9IUA(12) NN9K(14.5) W9DZ(10) N9DD(13.5) WA9PWP(15.5) NY9B(3) AE9K(3)
W9UQB(4) N9RYI WA9YLB(2) WB9LEF N9HH(5.5) N9SSG WB9LKC(2) W9JIF
W9ZSJ WD9CTB N9XVZ K9HBY WJ9B W9XN(2)

VE3JC(11.5) VE7SL(15.5) VE7CQK(5.5) VE3SP(5) 8P9BM(1) VE5RC(4) VE5WF
C08JM

Novice Stations working foxes - these count in separate class of prizes.
Let me know if you are N/T+ and have worked a fox and I put you in the
above grouping by mistake.

WA7SSA(6) KB0ROL(2) N0PMY(2) KB9LGJ(1) KB0SJY(1)

Chuck Adams K5FO adams@sgi.com DXCC=11
http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [13841] fox teams !
Message-ID: <8D3653E.000400121B.uuout@cheaha.com>

-> You know, with all you hunters forming these coalition fox teams, you
-> are sure making it hard for the independent fox hunter to
-> gain air space to compete! Have a heart and compete individually :->.
-> (that is my semi-serious grin :-).

Well, Kevin, I haven't been an active hunter, but with all this
ruthless behavior being exhibited from the western powers it wouldn't
surprise me to see a bunch of renegades form an outlaw raiding party to
give these powers something to *think* about. ;) Just a thought.

72/73
Ed Welch KF4KRV
NorCal Member #???
1st Grand Poobah ScQRPion of Alabama
QRP-L #873 - FISTS #2964
Luverne, Alabama
Crenshaw County - Grid EM61

+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Charles Cashion <ccashion@spdmail.spd.dsccl.com>
Subject: [13826] Gonzaga
Message-ID: <199703060257.UAA13324@spd.dsccl.com>

Somebody asked for Rogerio's email address....

On the 27th of February, Rogerio A. F. Gonzaga, MD, CT1ETT
reported that he had finished his first Pixie-2 thru the kindness of
Dave W6EMD. At that time, he listed his email address as:

<gonzaga@med.up.pt>

72s,
Charles Cashion, W5ISZ, QRP-L#76, ccashion@spd.dsccl.com
Do you know what time it is when an elephant sits on your fence?
Time to get a new fence. (Can you believe I am a father?)

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [13836] Help - IC socket id
Message-ID: <199703060427.WAA10043@admin.inetport.com>

Can anyone help me with this identification?

I have what looks to be a black plastic 20
pin dip solder tail socket,
EXCEPT...it's about 3/8 in high...

On the top between the pin holes it says:

telectronics, inc

with the t being a stylized large lower case
thingie that looks like a 4 with the bottom
of the vertical line hooked up to the right.

On the side, stamped or cast into the plastic
is the number:

933923-20

This wouldn't be one of those thingies with the
clock in it would it ????

Any help appreciated....
Larry

KA5T Larry Wise Georgetown, Texas lewise@inetport.com QRP-L 89 ex K8OSG
W6HED W4ZTB

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Jerry Parker <jparker@fix.net>
Subject: [13861] Help with SLV
Message-ID: <2.2.32.19970306150315.00c88708@fix.net>

I received a request for help with a St. Louis Vertical.

Anyone down in the Long Beach area who might be interested
in helping out with a stubborn SLV.

Email me direct and I will put you in touch.

Thanks and 72,,,Jerry...WA6OWR...K

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [13827] Help:Source for 38A parts
Message-ID: <970306030705_70511.3041_IHD54-1@CompuServe.COM>

Gang:

I am sure it has been asked and answered too many times, but here goes:
What is a good source for miniature pots, etc, needed to complete the
Norcal 38S? The RS unite are available and abundant, but large and
ungainly for the tiny, elegant 38S.

Further, what suggestions do you have for plastic (or other) boxes in

which to mount it?

Thanks in advance for any and all input. I will be looking for your responses.

72/73,

--QRPDoc/K0EVZ QRP 861 MN-QRP 19 NJ-QRP 69 AK/QRP 139 CQC Norcal ARRL

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: ericvia@why.net (Eric Via)
Subject: [13890] HW-8 questions please?
Message-ID: <v01520d02ad616d84d9c1@[207.211.121.39]>

Fine QRP-heads,

I am anxiously awaiting my new (used) HW-8 - here lately I have a few questions about it - and am having no luck finding the answers anywhere on my own - so I turn to you ...

- 1) What kind of antenna connection does it have?
- 2) What size is it? Approx. how heavy?
- 3) I have a straight key that's been dying to be used, but wonder how exactly will I hook it up to the HW-8? Is there any special wire that must be connected to the key? What kind of input hole will the HW-8 have for the keyer?

MANY thanks in advance my friends!

72 Eric AD4SS Wylie, TX

Father, Husband, Writer, Pro-Choice, Anti-More-Gun-Control,
Ham Op (AD4SS), Beer-maker, Mercedes lover, Spelunker,
South Carolinian, Mac-head, dog-lover, clown, EX-smoker,
Libertarian, Dreamer,

My Page: <http://www.why.net/users/ericvia/pershome.html>

My Mercedes Benz page: <http://www.why.net/users/ericvia/ericmb.html>

Subscribe to ELECTRIC BACON ezine (free) - ask for details!

-----oOo-----

"What country can preserve its liberties, if its rulers are not warned from time to time that this people preserve the spirit of

resistance? Let them take arms." - Thomas Jefferson

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Dick Pascoe <g0bps@kanga.demon.co.uk>
Subject: [13867] IC706 mods??
Message-ID: <uW1fjBBjvUHZEwp8@kanga.demon.co.uk>

Hi gang,

Just got an IC706 at last, I love this little rig but
would like to drop to power down even further that it goes now.

Any-one been in there and done any mods.

Any other ideas on it.

TTFN de ..

--

Dick Pascoe G0BPS/G0R00	Kanga Products
Dick@kanga.demon.co.uk	Seaview House,
http://www.kanga.demon.co.uk	Crete Road East.
ARCI DX membership person	Folkestone. Kent. CT18 7EG.UK
Ham Radio Today QRP Columnist	Tel / Fax 44 (0)1303 891106

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: n4so@juno.com (CHARLES K BROWN)
Subject: [13834] Ladderline strain relief
Message-ID: <19970305.220034.7807.2.n4so@juno.com>

WA1FFL- Ladder-Loc strain relief for 450- ohm ladderline
Jim Haggerty
64 Nonquit Lane
Tiverton, RI 02878
\$11.95 plus \$3.00 shipping
Source: CQ magazine December 1994 , page 48
Unknown if this is still accurate or available.

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [13863] Lead-acid battery question
Message-ID: <331e616c.49700792@smtp.usit.net>

While at my local (85 miles away) Radio Shack outlet store, in search of the elusive DSP, I found two 4AH 12V batteries. Not knowing if it was a deal or not, I got them. Don't see many of them around these hinterlands, particularly surplus.

Anyway, if I connect these batteries in parallel, I'll get 12V, and *should* get close to an 8AH rating for the pair -- correct?

Question is: Would the charge rate for these batteries need to be adjusted if they were left in parallel? Each battery is charged (according to the label on the front) at 1.2 Amps max -- no problem. But two amps? That would probably be a problem.

I'm considering building a charger from my trusty, rusty (and after 9 months in a rented storage room, musty!) 1990 Handbook. Supposedly it cuts back to a "maintenance" mode automatically upon achieving full charge.

The plan would be to leave them charged, and take them on weekend trips (I think 8AH would get me through a weekend of QRP operating). Might use them at home some, but not much -- will probably use the 12V supply I already have for home use.

Thoughts? Comments? Would I be better off to use them as separate 4AH batteries and charge them independently, and avoid all this?

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
Subject: [13843] LED Confession  
Message-ID: <M1321723.004.lws83.1.970306053344Z.CC-MAIL\*/OU=LMPCC10/OU=ILBE/



PRMD=MOT/ADMD=MOT/C=US/@MHS>

John:

I didn't know there was supposed to be a code in the lengths of the LEDs, so I assumed I had to check each with an ohmmeter to get the polarity straight. So I checked mine and put a black dot on the minus lead with a marker.

For once, not knowing something was an asset, it looks like.:-)  
72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Len W. Touth" <len@infinet.com>  
Subject: [13904] MEETING: CQrp - Columbus QRP Club  
Message-ID: <199703062307.SAA05444@mail1.infinet.com>

Hello all:

Time to remind anyone who is a member, is thinking about becoming a member, or happens to be in the neighborhood, that The Columbus QRP Club is meeting this Saturday, March the 8th, at Universal Radio in Reynoldsburg, Ohio at 10:30 AM.

Among the highlights will be the awarding of our CQrp Challenge Contest awards. Those that can not attend will have the awards mailed to them.

Directions to the meeting place are posted on the CQrp web site (announcement section) at  
<http://www.infinet.com/~len>

Please join us if you can.

Best 72/3

Len

KG8SF

len@infinet.com

KG8SF@key.com

---

QRP-L # 841            CQrp # 2            ARCI # 9025            FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor

CHARTER MEMBER - THE COLUMBUS QRP CLUB - \*CQrp\*

Web Page: <http://www.infinet.com/~len>

QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,  
Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter

-----  
From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: kf2ph@juno.com (Nick Franco)  
Subject: [13847] Mobile DX ; TiCK External; etc.  
Message-ID: <19970306.010324.3510.5.kf2ph@juno.com>

Hi Gang,

Long time no speak. I've been up to my aligator in ... You get the idea.

On the way home tonight I hear the RTTY stuff very loud on my SW-30. I zipped around a little and then worked EA7AQL - Tony. I had a little ragchew even. I kept sending 73 to end the QSO and not hang up the DX stn, but he came back a couple of times with questions about the rig and being mobile, and stuff like that. It was very rewarding for a change. The band actually sounded decent.

I've been running a side-swiper key (home brew of course) in the car since I sold my Heathkit keyer and brought the MFJ keyer into the house shack. It's a very tuff copy for the other guy and also very hard to key and drive like that. As I hit bumps in the road, etc. I mess up my fist and have to keep appologizing.

So tonight I finished up my TiCK external keyer in an Altoids tin. I came out OK and works great. All I need now is a 1/8" stereo plug or adapter for my paddles which are all 1/4 " - Oh Well, there's always something.

Well I'll let you all get back to your regularly scheduled program. I miss chatting with the gang since I stopped getting QRP-L at work. If anyone wishes to send me mail and get a reply more dependably, just send a message to my work address at :  
kf2ph@bnl.gov rather than this address.

Have a great week and all. 72 for now  
Nick - kf2ph

--

|                |              |                        |
|----------------|--------------|------------------------|
| Nick Franco    | <><          | KF2PH/qrp              |
| QRP-L # 13     | NE-QRP # 349 | ARS # 128              |
| LIQRP          |              |                        |
| Music Minister | -            | Church of the Nazarene |
| Patchogue, LI  | NY           | Suffolk County         |

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Bob Patten <n4bp@shadow.net>  
Subject: [13848] N4BP FYB0 Pix  
Message-ID: <Pine.SOL.3.91.970306024643.21985B-1000000@hyper>

I've posted one pix on my web site of our FYB0 effort 550 feet up a 1000 foot TV tower. Nothing much else on the web site since I've not had the time or incentive to do much with it since creating it last month...

<http://www.shadow.net/~n4bp/>

Bob Patten, N4BP  
Plantation, FL  
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
Subject: [13845] ND-QRP  
Message-ID: <M1321726.007.lws86.1.970306053345Z.CC-MAIL\*/OU=LMPCC10/OU=ILBE/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Gee, Alex. You sure like to live dangerously. Telling us rabid QRPers you will be on is like throwing bloody meat into shark-infested seas.

Expect to see the seas boil around your antenna Thursday evening.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: pmk@juno.com  
Subject: [13840] Need Jims K8IQYs E-Mail address  
Message-ID: <19970306.044523.4743.1.PMK@juno.com>

Need Jims E-Mail address. He did the helpful hint's on the 38s (Optimized 38s).

If you read this Jim could you send me the file ?

The schematic didn't fare to well.

72,73 de Patrick KD4OBQ

ar

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Doug Hendricks <ki6ds@dpo1.k12.ca.us>  
Subject: [13903] New Argonaut 515 at KI6DS QTH  
Message-ID: <1.5.4.16.19970306151508.355f7254@telis.org>

Jim Cates is a wonderful friend. I asked him about a year ago to help me find a nice Argonaut 515, and he came through a couple of weeks ago. Yesterday the UPS guy brought a dream come true package, my Argonaut 515 Transceiver. This one is in absolutely mint condition, not a scratch or mark on it. Pristine, original manual, original box. Plus it came with a matching power supply, and a speech processor. The price? \$475.00 delivered via UPS. The neat part about it was that my wife paid for it as an anniversary gift. What a woman!!

I have wanted one of these rigs ever since I heard about one in my early reading about QRP, perhaps in Ade Weiss' column in CQ. Last summer I got to operate one during Field Day, and that was a pleasure. Now, I have my own. Thank you to Jim, and thank you to Brad Hutton for selling it to me. By the way, this radio has worked DXCC SSB!!

Some of you may remember that I bought the matching microphone at Dayton last year in the hospitality suite. Paid \$70 for it, from an estate, but that's another story. I will try the rig out tonight, and if you here KI6DS, you know there is a smile on his face in the desert. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Clark Fishman (FSAC) <cfishman@PICA.ARMY.MIL>  
Subject: [13880] New Radio Birth  
Message-ID: <9703061223.aa05241@COR6.PICA.ARMY.MIL>

I am presently designing a new transceiver for QRP CW and SSB...It will have six meters and to save some costs of band switching components will have two slots for HF band modules (from 160 to 10 meters)....

If you have any ideas of what you would like (other than a Rolls at VW prices)....let me know

73, Clark Fishman WA2UNN cfishman@pica.army.mil

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>  
Subject: [13819] QRP To The Field -- Texas Yahoos  
Message-ID: <331E2906.2E27@swbell.net>

Howdy From Texas!

The 'Texas Yahoos' wish to put forth an official challenge to all contestants in the upcoming QTTF. We will put up a wager of 10 lbs of the best Texas style Bar-B-Q ribs with sauce shipped to the highest scoring team anywhere in the lower 48 states. Teams must follow the letter of the rules and operate from the same location, single transmitter on the air at a time, etc...etc.

The 'Texas Yahoos' team will consist of myself-K10J, K5NZ, K5ZTY, KK5LD, KM5AO, W5SB, and perhaps a guest op if anyone can find their way to Possum Hollow, Texas. We will be located about 45 miles north of Houston in the deep back woods of Montgomery County. We will be running homebrew equipment, battery powered, and wire antennas. Secret planning meetings at covert locations are already scheduled.

So get your teams and wagers together and identify yourselves before the contest. Any takers???

Hey ZTY,  
Those Scorpions really thought that plane was from Canada and was pulling a magnetometer.....hee hee! OOPS! Please disregard.

CU---OJ---K10J  
HOUSTON, TEXAS  
QRP-L 732  
..

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>  
Subject: [13905] QTTF- TEXAS YAHOOOS  
Message-ID: <331F4F41.926@swbell.net>

> What's the prize for 1st place, Alaska? :-)  
>  
> 73,  
> Jim  
> AL7FS  
>

Howdy From Texas Jim!

Forgive me for not including the two true qrp dx locations in the wagers. Rest assured that Texas Bar-B-Q can indeed make it to AK and HI and the wager stands. Though I would suspect you would want to warm it up just a bit. I'm still waiting for the AZ and CA boys or even the East Coasters to stand up and be accounted or maybe, just maybe they are not up to the challenge.....

CU--OJ--K10J

HOUSTON, TX

QRP-L 732

..

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997

From: Russ Carpenter <russ@natworld.com>

Subject: [13862] Results for the MARCH SPARTAN SPRINT

Message-ID: <199703061504.KAA39790@nss2.CC.Lehigh.EDU>

Here are the results for the Spartan Sprint held on March 3. All but one of these logs were posted on ARS' new automated contest reporting system.

Randy, WJ4P, deserves high praise. Using an 89er Plus, he won the Sprint in both categories! Your contest manager worked Randy from Oregon, running 2 watts from a Wilderness Sierra. QRP is downright amazing.

Next month the Sprint will be held on April 7. MARK THOSE CALENDARS NOW. Since April is a transition month, we'll be running on three bands--80, 40 and 20.

Results sorted in order of points per pound

| Call   | Name    | 40m<br>Points | 80m<br>Points | Total<br>Points | Weight | Points/<br>Pound |
|--------|---------|---------------|---------------|-----------------|--------|------------------|
| WJ4P   | Randy   | 0             | 22            | 22              | .7     | 31.43            |
| W3TS   | Mike    | 6             | 14            | 20              | 1.3    | 15.38            |
| AA7QU  | Russ    | 13            | 4             | 17              | 2.7    | 6.30             |
| KI6SN  | Richard | 6             | 0             | 6               | 1.8    | 3.33             |
| WD8RIF | Bill    | 0             | 20            | 20              | 9      | 2.22             |
| WA1MAN | Joel    | 0             | 14            | 14              | 6.5    | 2.15             |
| N2VPK  | Mark    | 0             | 18            | 18              | 13     | 1.38             |
| KC1FB  | Jim     | 0             | 6             | 6               | 4.4    | 1.36             |
| N0IBT  | Dave    | 5             | 0             | 5               | 5.0    | 1.00             |
| W6SU   | John    | 2             | 0             | 2               | 2.35   | 0.85             |
| WA8GHZ | Jack    | 4             | 0             | 4               | 7.2    | 0.56             |

|      |      |    |    |    |    |      |
|------|------|----|----|----|----|------|
| K10J | Owen | 11 | 10 | 21 | 38 | 0.55 |
|------|------|----|----|----|----|------|

Results sorted in order of points

|        |         |    |    |    |
|--------|---------|----|----|----|
| WJ4P   | Randy   | 0  | 22 | 22 |
| K10J   | Owen    | 11 | 10 | 21 |
| W3TS   | Mike    | 6  | 14 | 20 |
| WD8RIF | Bill    | 0  | 20 | 20 |
| N2VPK  | Mark    | 0  | 18 | 18 |
| AA7QU  | Russ    | 13 | 4  | 17 |
| WA1MAN | Joel    | 0  | 14 | 14 |
| KC1FB  | Jim     | 0  | 6  | 6  |
| KI6SN  | Richard | 6  | 0  | 6  |
| N0IBT  | Dave    | 5  | 0  | 5  |
| WA8GHZ | Jack    | 4  | 0  | 4  |
| W6SU   | John    | 2  | 0  | 2  |

Thanks for your participation!

Russ Carpenter, AA7QU  
Contest Manager

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
Subject: [13844] Ring magnifier  
Message-ID: <M1321721.002.lws81.1.970306053344Z.CC-MAIL\*/OU=LMPCC10/OU=ILBE/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Brad:

If you don't have one of those magnifying lamps already, GET ONE. Most valuable tool in my shop. Got mine as a birthday present last year, with suitable guidance to the xyl. Worth every penny.  
Bob N6WG

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: John Dorson <jdorson@bbs.mpcs.com>  
Subject: [13809] rogerio where you  
Message-ID: <199703060057.TAA00967@bbs.mpcs.com>

does anyone have the e-mail address for dr. rogerio gonzaga, ct1ett.  
i must have deleted his last e-mail to and i need to send him one.

Thank You

John Dorson Real Estate Consultant in Melbourne Beach, Brevard County Florida  
E-Mail To: [jdorson@bbs.mpcs.com](mailto:jdorson@bbs.mpcs.com)

```
-----
| Trying for WAS -      AL,AK,AZ,AR,CA,CO,CT,FL,GA,IL,IA,KS,KY,LA,ME,MD,MA|
| and worked these:    MI,MN,MT,NH,NJ,NY,NC,ND,OH,OK,OR,PA,RI,TX,VT,VA,WA|
|                     WI                                           |
|-----|
```

K2JHU only QRP... CQC #351, GQRP # 9092, QRP-L #672

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: [herr@ridgecrest.ca.us](mailto:herr@ridgecrest.ca.us) (Michael Herr)  
Subject: [13832] RS16 beacon freaks  
Message-ID: <v01530502af43efd4b66c@[199.120.150.49]>

Try 29.407Mhz, 435.504Mhz, 435.548Mhz, Remeber doppler so tune around a tad to find the beacon.

72

Mike WA6ARA

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: [n4so@juno.com](mailto:n4so@juno.com) (CHARLES K BROWN)  
Subject: [13853] Searching files for QRP-L  
Message-ID: <19970306.043156.7783.2.n4so@juno.com>

Suggestions:

Save all QRP-L files and later do a search of previous messages for a specific topic or name.

A textfile called search.txt explains how this is done for Juno users.

Ask for search.txt

at [n4so@juno.com](mailto:n4so@juno.com)

Ken Brown, N4SO  
QTH Near Mobile, AL  
QRP-L #622  
[n4so@juno.com](mailto:n4so@juno.com)



From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: kub@pacificorp.com (Steve Kubisch)  
Subject: [13865] Sierra Alignment  
Message-ID: <9703061511.AA00596@ringworld.pacificorp.com>

Hi,

Just finished construction on my second Sierra, this one from Wilderness with the KC2 digital display. All went well and it works fine. I've spent alot of time tweeking the alignment adjustments to get it just right. The write up in the manual works but I'm not exactly sure how all the adjustments interact. At one point I ended up receiving one side band and transmitting on the other, not great if QSOs are a goal. I've got the rig with the 40 meter band module where I want it now, but when I start alignment on the 30 module every thing\ is just a little off (like WWV on 10.000). Do I tweak the band module xtal adjust???

I quess what I'm asking is "Has anyone else been down this same road" and come up with a procedure to get all the adjustments right. With the VFO, BFO, xmit offset, dial and KC2 display offset, band module xtal adjust, PMO bandpass, TX and RX bandpass all interacting, I just may be chasing my tail. I have been using a Kenwood ts-850 which is "right on" as a reference. Any help or advice is welcome.

72,  
Steve -WW7Y-  
kub@pacificorp.com

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Conard Murray <ws4s@InfoAve.Net>  
Subject: [13878] Sierra on 6M?  
Message-ID: <2.2.32.19970306164934.009de8f8@infoave.net>

Hi,

Has anyone tried to put the Sierra on 6M? I am totally unfamiliar with the innards of the Sierra, so it may be impossible to get it that high with any stability.

I am window shopping right now for a kit rig and have just about settled on the Sierra. Some of the best qrp contacts I have ever had were on 6M ... like TN to W6 with no-movement-on-the-meter power levels.

Thanks and 72,  
de Conard WS4S

.-.-.-.-.-.
. Conard Murray WS4S Glowbugs listowner .
. 217 Dyer Avenue ws4s@infoave.net .
. Cookeville, TN 38501 615-526-4093 .
. <>< Wise men still seek Him ><> .
. Member Arizona ScQRPions QRP-L # 993 .
.-.-.-.-.-.

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997
From: Russ Carpenter <russ@natworld.com>
Subject: [13864] Soapbox for the March Spartan Sprint (Long)
Message-ID: <199703061508.KAA50082@nss2.CC.Lehigh.EDU>

Here is the soapbox for the Spartan Sprint held on March 3.

\*\*\*\*\*

Randy, WJ4P

Although 40 was active with stations I heard very few
Spartan Sprinters. All my activity was on 80. The
89er Plus really did a great job.
My hat's off to KQ4XX, running 50mW from TN and to
AA7QF, from OR with 2watts to hang in there with me
for another great QSO. Conditions at my QTH were
great with lots of QRM from using a DC rcvr.
Finally tally was 11 QSO's with 10 states. Even got
to work the Master Sprinter, W3TS. Thanks gang.
This is FUN!

\*\*\*\*\*

Mike, W3TS

> > I worked 7 stations on 80M and 6 on 40M, for a score of 20.
> >
> > I was using the same gear as last time:
> > 80-40 at 8oz
> > 40-40 at 8oz
> > keyer & earbuds at 1.5oz
> > 10xAAA ni-cads at 3.5oz
> >
> > for a total station weight of 21 oz.
> >
> > It seemed as if activity was down a bit this time. I lost about 45

> > minutes do to my monday night sked.

> > See you next sprint, I may have a different rig for 80 and 40, a band  
> > imageing rig using a 2 Mhz I.F. filter.

\*\*\*\*\*

Jack, WA8GHZ

My ears hurt.....weird QSB - 1 minute nothing, next 10  
stations making dx pile noises...I apologize if I stepped on any toes..I  
moved when I heard 'em come back up...

Only 4 Q's and only 40 meters. But the good news is that ##@!\$\$% 7AH  
heavy battery is history - got me a new super-stealth 2 AH job to cut  
some weight. Bad news is I used my sub-notebook cpu as a keyer; great  
practice for field day, but the box which 3.5 pounds:

Emtech NW40 = 1.3

Whiterook key=0.1

Battery =2.3

Notebook =3.5

TOTAL: 7.2

4. Q's AA7QU-az /K10J-tx /W3TU-pa /NQ7K-az

SCORE: 0.55 Qs/Lb

BTW the subnotebook is an ancient Gateway 80286 that eats AA batteries  
which is nice for backup - I can always add batteries - can't always find  
an outlet to recharge.....

Good clean fun, and thanks to ARS for hosting event.

\*\*\*\*\*

Jim, KC1FB

Very strange band conditions.....and using an OHR QRP  
Sprint d.c xcvr  
didn't help much....even heard some DX.

This time, still not many contacts, but the station weight is coming  
down a bit.

OHR QRP Sprint

Whiterook key

Kenwood Phones

4.5 A-h gel-cell.....this has to get smaller!

\*\*\*\*\*

Richard, KI6SN

What an interesting evening of "propagation roulette," and many thanks to the fine operators who pulled my 1-watt signal out of the mud on 40 meters: N0IBT, AA7QU, W3TS, AA7HE, NJ7M and WB0Y. It was fascinating to hear the band change characteristics throughout the Sprint period. Loud east coast stations faded as the midwest and west began pounding in. Soon the pendulum swung the other way. Great fun, and a real tutorial in Mother Nature's kneading of the airwaves. See you all next month.

\*\*\*\*\*

Bill, WD8RIF

Equipment:

- Index Labs QRP+ 5 watts
- AEA AT-3000 tuner
- 135' ladderline-fed dipole at 30'
- CMOS Super Keyer II
- Whiterook MK-44 iambic paddle
- 2.5 Ah gel cell battery
- external speaker

My fully portable station contains an MFJ-901B and Heath HM-9. I used the AEA tuner because this is the tuner already connected to the ladderline.

\*\*\*\*\*

Mark, N2VPK

Conditions on 40M were as usual, awful. So I went down to 80M to fight the noise. Low and behold I made 9 QSOs including W4DON, WJ4P, VP2V/K1DW, K10J, WD8RIF, WA1QVM, WB1HBE, K7LFY, and K1CL.

I have a super light station for 40M but on 80 I have to use my TenTec Argo 556, ZM-1 tuner, a biggish gel cell and Envirotronics key.

If the test were started while we ha some daylight left the 40M scores sure would be better

\*\*\*\*\*

Owen, K10J

QRP RIG IS QRT FOR A RELAY SO BIG BERTHA IS  
BACK.....WELL I HAD FUN ANYHOW....THE BANDS WERE NOT KIND TO US HERE IN  
TEXAS....

\*\*\*\*\*

John, W6SU

80 was totally devoid of SS activity here. However, even  
with only 2 q's, I am confident that I have captured the high score  
trophy for San Marino this month. Just goes to show that cream always  
rises to the top!

Thanks to Russ for being there on 40--otherwise the cream might have  
sunk!

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>  
Subject: [13883] Ten Tec Model 13xx  
Message-ID: <9703061810.AA17213@tlcnet.muohio.edu>

Hello all,

Yesterday I received a kit catalog from Ten Tec. I found an  
interesting QRP CW Transceiver. Model 13xx xx to designate the  
band, 20 to 80 meters.

Has anyone seen/built/used this little rig? I would like to  
hear from some of the folks on the list for their comments and  
opinions.

I have used other Ten Tec rigs for years and have always been well  
pleased. I thought I would ask ahead before getting this rig.

Vic AD8K

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Bill Acito 06-Mar-1997 1539 <acito@asdg.ENET.dec.com>  
Subject: [13893] Ten Tec on the web?  
Message-ID: <9703062043.AA27909@us1rmc.bb.dec.com>

-Has Ten Tec's web page moved, or am I just having temporary

difficulties?

-Where did the Ten Tec mail reflector move to, and is there a replacement for the web-page archive (just like QRP-L, I prefer to read using the WWW on-line archive vs the digest or mail messages)?

QRP-NE... won't be at ARRL/W1AW this weekend, but I will be down in Myrtle Beach if there are any QRP'ers in the area. For those QRP-NE members attending, please consider being a band captain or coming out to operate from Mt Wachusett, north-central Massachusetts for Field Day this year; it will be discussed at the meeting.

b  
(QRP-NE Field Day Chairman)

(any resemblance of my call to Scott at Ten Tec's is purely coincidental :-)

. . . . . - I own my own words - . . . . .  
Bill Acito  
acito@asdg.enet.dec.com  
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA                    qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: wb2vuo@juno.com (William K Hibbert)  
Subject: [13833] Tests, CW sending and Whatever  
Message-ID: <19970305.225858.4679.1.wb2vuo@juno.com>

I took the Novice and the Technician tests in 1965. Seeing that the Technician had no low-band privileges, one was allowed to hold both tickets concurrently. Also, the Tech was given by any amateur, General-class and higher, who was over the age of 18. Much easier, but prone to abuse. There were many Techs that had taken the test under questionable conditions.

Enough that the FCC started to recall Techs to regular test sessions for retests. This was in the 1968 - 1970 period as I recall. I was one of

the "lucky" ones. When I arrived at the main Post Office in Syracuse, there were supposed to be 15 of us being re-examined. Only 5 showed up, the rest forfeited their tickets. I asked if I could take the 13 WPM and try for the General at the test, but I had not filed a 610-form for upgrading, and they didn't have any there, so I took the Tech as scheduled.

When I got up to the bench to send, the spacing was big enough to park a CENTRO bus under the contacts (almost), so I folded up a piece of paper and lifted the adjusting screw to close the contacts down to a couple of mills, the normal spacing that I used. A 3 x 5 card was given to me, with the text to send, and off I went, at about 15 WPM. The Examiner picked up the card, read it off, and gave it back, saying "It's a 5 WPM test. Send it again, this time at the right speed..."

After I sent it the second time, he then said that I should have filed for the General test. "I am sure that you could have passed today", he said... As it was, I didn't get a chance to take the 13 WPM again until I was in the Med with the US Navy. Who knows? Could I have kept up the momentum in 1968, and been an Extra in 1969??? It only took me 26 more years to finally sit down and take the 20 WPM

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),  
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group  
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)  
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"  
Packet - wb2vuo@w2im.#wny.ny.usa.noam  
Email - wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Dick Pascoe <g0bps@kanga.demon.co.uk>  
Subject: [13858] The ONER  
Message-ID: <3m4Z\$+AUpUHZEwpW@kanga.demon.co.uk>

>  
>In message <331B21CC.3B67@intercall.com>, Elmar Vaheer  
><ekv@intercall.com> writes  
>>  
>>Searching for the file on the internet yeilded Franks G3YCC homepage  
>>which doesnt work. Looking for the layout of this transmitter. Its a  
>>quick 5 minute transmitter for 40M. A bozo at my last radio club meeting  
>>said you can't built a cw transmitter in less than 15 minutes. I would  
>>like to proove him wrong at the next meeting.  
>  
>Franks in Oz..  
>

>  
>>  
>Check with Bill Kelsey N8ET (Kanga@bright.net) He sells a full kit  
>for this little beast.  
>  
>15 minutes.... Did he stop for lunch or something?  
>  
>TTFN de ..

--

|                                                                         |                               |
|-------------------------------------------------------------------------|-------------------------------|
| Dick Pascoe G0BPS/G0R00                                                 | Kanga Products                |
| Dick@kanga.demon.co.uk                                                  | Seaview House,                |
| <a href="http://www.kanga.demon.co.uk">http://www.kanga.demon.co.uk</a> | Crete Road East.              |
| Tel / Fax 44 (0)1303 891106                                             | Folkestone. Kent. CT18 7EG.UK |
| Ham Radio Today QRP Columnist                                           | ARCI DX membership person     |

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Barry Keating <Barry.P.Keating.1@nd.edu>  
Subject: [13854] Tonight - N/T FOX Graduation Party  
Message-ID: <v03007802af447134e644@[129.74.87.62]>

Tonight -- Thursday, March 6th -- LOCAL Date

Dear\_\_\_\_\_,

You are cordially invited to attend the "N/T Fox Graduation party" in honor of WD4MSM to be held tonight (March 6 -- local date) from 0000 to 0200 UTC at either 7.112+- (preferred) or 7.122+- Mhz. WD4MSM has graduated to a General Class ticket and this will mark his last time as the N/T Fox. During his tenure as N/T Fox, WD4MSM has logged 43 states QRP and taken third place in the Columbus, Ohio CQrp Challenge Contest. He recently passed his General Class Exam (Chuck was correct in predicting that the N/T's would be able to upgrade by March).

WD4MSM  
Thursday, March 6th (LOCAL date) - TONIGHT!  
0000 - 0200 UTC  
7-9 pm EST, 6-8 pm CST, 5-7 pm MST, and 4-6 pm PST  
7.112+- (preferred) or 7.122+- MHZ as conditions allow  
QTH South Bend, Indiana  
QRP-L# 642  
QRP++ at 5 watts  
G5RV up 30'

The graduation party (no presents please) will take place just before



tonight's Regular Fox (N9DD) takes to the air (see previous post - "Tick, Tock, Tick, Tock"). N9DD (the regular fox) will be on the air from 0200 to 0400 UTC tonight. Please plan to drop by the graduation party and say hello. Leave a QSL card and then bag N9DD, the regular fox.

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [13884] TT Cubbie Hiss Solved!  
Message-ID: <199703061821.NAA43572@nss2.CC.Lehigh.EDU>

The Ten Tec Cubbie tends to hiss at low volumes, especially with headphones. Well, in my case it WAS the headphones that were the problem. The were cheap Sony phones from a Walkman.

The cord was too short so I picked up a pair on sale at Radio Shack for 20 bux, reg 30 bux, that has the in-line volume control. The fix is simple, slide the volume down a bit on the headphones and up a bit on the radio and PRESTO, NO NOISE.

Now I am glad I procrastinated and did not build the little audio transformer contraption I saw on this list over the summer.

72, Mark N2VPK  
Member of the Buffalo QRP Connection

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: n4js@amsat.org  
Subject: [13891] WARC Bands?  
Message-ID: <XFMail.970306153002.n4js@amsat.org>

I have a question, and since I think some of the contest coordinators for ARCI, Norcal, NE QRP, etc, are here, I guess this is the place to ask.

Basically, it's this. I can understand why by "Gentlemen's Agreement" the BIG contests, such as Field Day, SS, DX contest, etc., are not on the WARC bands,

but why not the QRP contests, such as QTTF, QRP Afield, etc? Our little QRP signals are not about to "clutter" up the band for non-contesters. These bands seem somewhat under-utilized as it is. Also, for example, 30M is a TERRIFIC QRP band, and easy for Field type antennas.

It would just seem that it would increase the fun of the QRP contests, improve band usage, without "stepping" on anyone, and encourage more general QRP activity.

OK, now, no flames. There may be a really good reason this is a stupid idea. But, if we are just following the exmple of the BIG QRO oriented contest, is it really necessary?

OK, fire at will.....

(Just not at me, will deserves it....)

Sent at 15:30:02 on 06-Mar-97

```

-_-\\_||_--|_ _ |_---|
|_|.'||_ _|| || \\__\\
|_|\\_||_||_\\_/_|___/_
NE-QRP #507 G-QRP #9544

```

John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@n4js.ampr.org NJ Grid:FM29LN  
<http://www.pobox.com/~n4js>  
NJ-QRP #57 QRP-L #884 QRP-ARCI #9328  
Norcal #???? QCWA Life Member

From owner-grp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997

From: Bill Todd <bill@techline.com>

Subject: [13876] Re: 1st QRP QSO

Message-ID: <1.5.4.32.19970306161446.0069ba50@mail.techline.com>

>I gotta do this more often!

>

>73,

 $\succ$ 

>John

>K06TS

Yes, John you do! That is great.

You will find that it is a challenge to run 5 watts or less, so the QSO's you DO have mean more to you. Also, when the rest of the hams are shut down during an emergency or power outage...you'll still be on the air!

CUL, Bill-N7MFB

Bay Center, WA

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: TonyDrumm@ibm.net (Tony Drumm)  
Subject: [13811] Re: 30m APRS QRP?  
Message-ID: <199703060100.BAA108299@out2.ibm.net>

>Many of you may be familiar with APRS especially since the  
>recent articles in QST and other publications. This software  
>is available for DOS, MAC, and Win 3.1/95.

Brian,

It was interesting to run into your message here after also seeing the one on APRSSIG! So, there are at least two of us who follow these two lists. I've thought about the same thing. In fact, an APRS-devoted 30m QRP rig should be simpler than many of the rigs we fiddle with. It could be rock bound and I suppose could be direct FSK.

72.

Tony Drumm  
ARS AA0SM - Rochester, MN

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Bill Jones <kd7s@psnw.com>  
Subject: [13868] Re: 38S key/keyer connections  
Message-ID: <331EE2F0.6031@psnw.com>

Marty Watt wrote:

>

> I have \*almost\* finished my 38S, and am wondering if one can add  
> \*both\* the straight key connection and the keyer connection. I'm  
> assuming I'll lose the sidetone with the sk connection.

Marty,

If you use the TiCK chip, it has a built-in straight key mode. With this \$5 part you get the best of both worlds.

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: bisseks@churchill.srvusd.k12.ca.us (Barry Isseks)  
Subject: [13892] Re: 38S key/keyer connections  
Message-ID: <199703062040.MAA07048@srvusd.k12.ca.us>

>I have \*almost\* finished my 38S, and am wondering if one can add

>\*both\* the straight key connection and the keyer connection. I'm  
>assuming I'll lose the sidetone with the sk connection.  
>Occasionally I'd like to use my CMOS II with the radio (relay  
>keyed). Plus, I don't have the TiCK chip yet, but I'm almost ready  
>to smoke test ...  
>  
>Tnx!  
>  
Hi marty,

There is a straight key mode in the TICK keyer program. It works and I  
suspect you won't lose your sidetone. But do remember that the TICK  
reverts to default when powered down.

Good luck,

Barry, K6ZA

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: rob3ert@juno.com (Robert G. Parks)  
Subject: [13813] Re: Arrl Handbook 12 V Plug Standard  
Message-ID: <19970305.171154.8806.0.rob3ert@juno.com>

Claton,

On page 11-24 of my 1995 Handbook, there are several paragraphs about an  
ARRL approved P.S. connector: the CEE-22.

Hope this helps.

72/73

Bob Parks  
K6AEC (Las Vegas)

On Wed, 5 Mar 1997 18:15:50 -0600 "Claton Cadmus"  
<aplitech@Spacestar.Net> writes:  
>A few days back someone posted on the subject of the ARRL Handbook  
>containing many of the answers to questions asked in this forum. One  
>of  
>the references sighted was for an ARRL 12v power connector standard  
>and  
>gave the handbook chapter and page. Unfortunately the author

>neglected to  
>mention the year of the ARRL Handbook that was being referenced. I  
>could  
>not find it in my 1991 issue and the message has hit the bit bucket.  
>Would the author please post the Handbook year, or someone else  
>perhaps  
>that might know. We are talking about establishing a standard for our  
>club and this info would be very timely.  
>-----  
>73 de KA0GKC Claton Cadmus  
>E-mail cla@spacestar.net  
>TCP/IP ka0gkc@ka0gkc.ampr.org  
>Ask me about the Minnesota QRP Society!  
><http://www.spacestar.net/users/aplitech/mnqrp/>  
>  
>

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Claton Cadmus" <aplitech@Spacestar.Net>  
Subject: [13823] Re: Arrl Handbook 12 V Plug Standard  
Message-ID: <199703060243.UAA04952@Spacestar.Net>

Thanks to all that replied to my inquiry. The ARRL standard 12 volt power connector is the 2-pin molex and is available at Radio Shack. My apologies too, the year of the Handbook in the original posting was mentioned, I missed it.

Thanks again and 73 de KA0GKC Claton Cadmus  
E-mail cla@spacestar.net  
TCP/IP ka0gkc@ka0gkc.ampr.org  
Ask me about the Minnesota QRP Society!  
<http://www.spacestar.net/users/aplitech/mnqrp/>

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: [13838] Re: Arrl Handbook 12 V Plug Standard  
Message-ID: <19970306041712.AAA27850@LOCALNAME>

At 02:43 AM 3/6/97 +0000, you wrote:  
>Thanks to all that replied to my inquiry. The ARRL standard 12 volt power  
>connector is the 2-pin molex and is available at Radio Shack. My  
>apologies too, the year of the Handbook in the original posting was  
>mentioned, I missed it.  
>

>Thanks again and 73 de KA0GKC Claton Cadmus  
>E-mail cla@spacestar.net  
>TCP/IP ka0gkc@ka0gkc.ampr.org  
>Ask me about the Minnesota QRP Society!  
><http://www.spacestar.net/users/aplitech/mnqrp/>  
>  
>

This thread has been interesting. I have "standardized" most of my 12 volt stuff with the 4 pin "regular" Molex connector. Why 4 pins? ICOM used to use it and the positive was the "pointed" end, negative the "square" end with the two middle pins being blank. I found that on HF rigs with more current drain, it's easy to use the remaining two positions in parallel with their adjacent pins for more current carrying capability. For QRP and VHF stuff, I leave those pins out of the connector altogether. The Molex plugs/sockets are cheap, reusable (with the proper pin extractor and crimping tool) and readily available at most parts suppliers.

73,  
E. V. Sandy Blaize, W5TVW  
"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive,  
Metairie, LA., 70001  
ebjlr@worldnet.att.net  
\*\*Looking for: 860 tubes, WL-460 tubes, RK-18,20,28 tubes\*\*  
\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [13851] Re: Arrl Handbook 12 V Plug Standard  
Message-ID: <3.0.1.32.19970306002558.009824f0@tiger.avana.net>

OK... I completely disagree with that standard up front-for reasons I'll state in a moment... but first, at to their standard, what was what? E.g. Molex connectors like that have a pointy end and a square end... which was positive, and which negative? And did they specify which pin type (M/F) and which connector shell type (M/F or solid/open) went to the source and and which to the load?

I disagree with a 2-pin standard for several reasons:

1. Although it is difficult to force together physically reversed Molex connectors, it is quite possible. With only 2-pin connectors, the forcing together of the two pieces, and subsequent connection between the wrong polarity pins can be done-at least momentarily-with utterly disastrous results: blown something (fuse/transistors/whatever) at best, and melted

wires & a fire at worst. One of the most obvious uses for such connections involves batteries... and with the low ESR of NICADs tremendous surges can pass through the pins, possibly spot-welding them together, and so on. A 3-pin connection, being reverse-proof avoids this.

2. With a 3-pin standard, the center pin is made NEG or GND, and is connected no matter how the connector is pushed together-you always have GND. Of the other two pins, one is used for the POS current-carrying lead, and the other is either unused; used as a second, parallel POS lead; or better, as the remote voltage sense lead for the power supply (or DMM)-enabling the user to set the power supply voltage levels more accurately. This sense lead is present on most modern power supplies. There is no possibility of using this lead in a 2-pin connector (putting an additional wire in the 2-wire cable, and attaching it to one of the connector pins actually defeats the purpose of the sense-since it will only be valid UP TO the connector attachment point and CANNOT be carried through the cable to some point at the load-as intended.)

3. The point here also applies to other connectors: try and make their reverse connection non-fatal where possible... and impossible if you can. It only takes the slightest bit of cost and effort to eliminate several nasty possibilities, and provide a much better, safer, and useful connection.

Finally, easily reversed connectors should ONLY be used for AC connections, where their reversal will not matter.

72/73

Ed Tanton N4XY      EMAIL: n4xy@avana.net      TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663      G-QRP#6779      OK-QRP#172      QRP-L#758      AdvRC#140  
NORCAL#1779      NCDXF      SEDXC

Life Member: ARRL      AMSAT      IDRA      INDEXA      QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Ed Hare <ehare@arrl.org>  
Subject: [13856] Re: Arrl Handbook 12 V Plug Standard  
Message-ID: <5fmk99\$77d@mgate.arrl.org>

"Claton Cadmus" <aplitech@Spacestar.Net> wrote:

>Thanks to all that replied to my inquiry. The ARRL standard 12 volt  
>power connector is the 2-pin molex and is available at Radio Shack.

Perfect for the QRP'er -- not so perfect for high-power operation. The ARRL Board of Directors, through its Volunteer Resource Committee, considered adopting a high-current connector standard. They decided not to make any specific standard recommendation, at least not at this time.

This was due in part to some input I had given them. Early last year, I was approached by a member of an SAE committee that is developing a recommendation or standard for a high-current accessory connector for automobiles. If this comes to fruition, IMHO this will be a "defacto" 12-volt, high current connector standard that will see widespread use and widespread "aftermarket" distribution.

--

72/73 from ARRL HQ,  
Ed Hare, KA1CV  
ARRL Laboratory Supervisor

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: n1ist@netcom.com (Michael L. Ardai)  
Subject: [13906] Re: Arrl Handbook 12 V Plug Standard  
Message-ID: <199703062331.PAA06637@netcom5.netcom.com>

In a recent post to qrp-1, n4xy@avana.net had some comments about the ARRL-recommended standard 12 volt connector. While I had nothing to do with selecting that standard, I did write the QST article promoting it.

Both the handbook and my article clearly shows the recommended polarization and keying of the connectors.

The triangular end of the connector is the positive end, and the receptacle with female pins, is on the cable connected to the power source (battery, power supply, cigarette lighter plug). (The receptacle is the connector that fits inside the plug, and has the pins closely surrounded by plastic; the plug is more of a shell, with the two pins exposed inside.)

Fusing is strongly recommended for power sources.

As for accidentally mis-connecting them, give it a try. I just did, and short of breaking the connector, there doesn't seem to be a way of plugging



it in backwards. Mobile and portable gear should, however, be set up with reverse-voltage protection (series diode, reverse diode and fuse, P-channel FET, etc) Even if you could short things out, the fuse in the power source lead should protect against fire.

3-pin connectors would solve the reversability problem, but you still have to be careful that you can't plug them together off by one pin. Also, there didn't seem to be any really good 3 pin choices available at Radio Shack (No, 3 pin XLRs aren't a good choice - they are used for mikes...)

/mike

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: DYARNES@aol.com  
Subject: [13835] Re: Confession (good for the soul?)  
Message-ID: <970305225459\_-1941100180@emout13.mail.aol.com>

In a message dated 97-03-05 09:15:58 EST, n4js@amsat.org writes:

<< BUT, I put all the LED indicators backwar. Got confused, because the instructions referred to the "long lead, with the flattened side) as the anode (+). >>

Yes John, confessions are good for the soul.....particularly when made by someone else!! I did the SAME thing on this project. Thank you for helping me "come clean"! The manual did definitely lead me astray, as it seems to have done to you. Anyway, mine is now working super-duper! This is a very nifty tuner.

I think the biggest negative of the whole project was the manual. Don't know how the others feel, but I think it left a bit to be desired in a few places. Not really a big problem though, as long as you read CAREFULLY!

Folks, I am running the AT-11 "QR0" model, but it works very well with most of my QRP rigs. The QRP+ excites it just fine. Still have to try the Sierra.

By the way, I have checked into the Columbine net on 3989 khz for the last two nites using my QRP+ and this tuner. Both times I have been complimented on having a "nice signal", so the tuner must be doing something! I am in Tucson, AZ and the NCS for the net is up in Wyoming and/or Colorado.

My antenna set up for 75 meters is kind of interesting. I am running an inverted vee, up about 35 feet, using 450 ohm feedline. The feedline goes to my Ten-tec tuner because it has a special input for balanced line (uses a balun). Then I run through this tuner (bypass position) to my AT-11.

Convoluted for sure, but this way at least I can use balanced feedline. I did have to "trim" things up a bit with the manual controls on the AT-11, but what the heck! That's what they are there for! I add this little tid-bit because some time back someone asked if you could run some sort of balun system into the AT-11 and make it work with balanced line. I guess the answer is "YES"!

I nominate Scott Rosenfeld, NF3I for the "Elf of the Month" award for putting the group buy together for us!

72 de David W7AQK

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Raventhorne <jelder@ix.netcom.com>  
Subject: [13875] Re: CORRECT WAY TO TUNE SIGS ON 38S?  
Message-ID: <2.2.16.19970306074847.41afaa46@popd.ix.netcom.com>

At 08:57 AM 3/5/1997 CDT, David Kreinberg wrote:

> BTW - the antenna is a 40m inverted vee and tuner  
> which yeilds great results with my FT-840 @ 5w on  
> 30m. On my meter, I get a full 5 watts forward, zero  
> watts reflected, so I know I putting out RF. Just don't  
> know where!!  
>

what happens if you run the FT-840 into a dummy load and listen with the 38?  
Can you hear yourself? That should answer the question quite easily.

73,

John  
K06TS

@~~~  
@ John Elder, Wide Sky Men's Council  
@ (310) 416-9901 Box 232, El Segundo, CA 90245

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: torell@sicom.com (Kent Torell)  
Subject: [13877] Re: Debugging Contest  
Message-ID: <v02130502af448f75d2c4@[192.91.202.41]>

.....

>Now Doug and I could go broke doing this all the time. So  
>there is not another problem in the wings at this time. The  
>other radio is being kept by the owner and hopefully he can  
>learn from the experiences we saw so elegantly and swiftly  
>posted to this group.

.....

Chuck,

I wasn't angling for the prize, but I enjoy fixing things and figuring them out. Considering my cost is only \$3 for shipping (and a lot of my time), I'd do it for the fun! I'd bet just about everyone on the debug list feels that way...a prize is a nice recognition, but a LOT of recognition comes from the debugging postings.  
(fear too ... you lay everything out for others to read =:0 )

So, if another opportunity comes up that looks like a good candidate for qrp-l debugging/learning thread, lets do it! Count me in, prize or not! :-)

Kent Torell   torell@sicom.com   602-483-2867 x230  
SICOM   7585 E. Redfield, #202   Scottsdale, AZ   85260  
AB70A   scQRPion 7,qrp-l 57,ARCI 9075   DM33xn 33.55 N 111.078 W

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: dwink@juno.com (Daniel C Winkler)  
Subject: [13846] Re: Dipole VEE portable and simple  
Message-ID: <19970305.214816.4951.43.DWink@juno.com>

On Wed, 05 Mar 97 00:08:00 PST Cecil A Moore  
<Cecil\_A\_Moore@ccm.ch.intel.com> writes:  
>>From: dwink@juno.com (Daniel C Winkler)  
>>Any integer-multiple of half-wavelengths of coax feedline will appear  
>>to be a HIGH impedance, and it WILL NOT radiate. A half-wave-length  
>>coax feedline will not radiate. Assuming you have it attached to  
>>the middle of a resonant dipole.  
>  
>Hi Daniel, I do believe I smell a myth.

Hey, let's not get personal! I just took a bath!

> We are talking about the  
> outside of the braid which looks just like a piece of wire to the  
> emerging RF from the inside of the braid. A half-wavelength of wire  
> repeats the voltage, current, and impedance at both ends

Yup, that's right, so the end of this wire (the coax) is gonna look just like our feedpoint, and it's gonna have a few volts of rf on it (like maybe 25 peak, for a full 5 watt output and something close to a resonant dipole). So what?? The presence of the rig and operator will detune that half-wavelength a little, of course, but so what? The operator will be hot, but the line won't radiate. 25 volts of rf won't hurt cha.

> and one end is grounded

Grounded? Grounded???? This is a \*camping\* antenna. He's gonna lug an 8' copper-clad GROUND rod up the switchbacks? I think not! The radio is just going to be a little hot, that's all. The chassis will be at a few volts.. of..  
.. rf...  
potential... . . .

(Inside Dan's head a dim lightbulb begins to glow...)

(Oops...where is that rf coming from?)...  
(From the rig, dummy!)...  
(Where is the rf potential coming out of the rig??)...  
(Why, it's coming out of the rf connector and going up t h e c o a x  
a n d . . . ) . . .  
(...Yes, and?) . . .  
(And I have a funny taste in my mouth!)...  
(Shoe leather, perhaps?)

Aagggg! Foot-in-mouth disease! Pteuw. Pthew. Cecil is RIGHT, my friends. I stopped thinking about a half second too soon the other night. A half-wave WIRE will not radiate. It will indeed look like a high impedance and will accept no appreciable rf if attached to the feedpoint of an antenna. But this half-wavelength of coax is NOT a simple

half-wavelength of wire, because it IS at RF-ground at its far end (the rig end)- BY DEFINITION.

Does everybody understand this? Please, if you are confused by this interchange, please post to the list, and Cecil or I (or others) will try to explain it again. It is a pretty fundamental idea. (First try re-reading the above, now that you are not laughing so hard at my beet-red face.)

And did you notice that I immediately assumed that Cecil meant EARTH ground? That's because a great many hams incorrectly think a great chunk of metal sunk in the earth has something to do with getting their rf out. Not so; earth grounds are for lightening protection. And I should KNOW that Cecil knows that, but I had convinced myself so thoroughly that the half-wavelength of coax wouldn't radiate, that I temporarily thought Cecil was also falling prey to that old confusion between electrical (or rf) ground and earth ground. Dumb, dumb. dumb.

Once again I learn that I should not post to the list past my bedtime, and that I should review all my posts before sending them the next day, because just maybe I've stepped in \*it\* just one more time!! (Although it was such FUN to have caught Cecil in a little goof, I probably would have deluded myself on a re-read as well.)

Thank you, Cecil, for being gentle. I hope someone benefits from all this egg on my face!

PS, if I'm not mistaken, there is a corollary to the above. A QUARTER wavelength coax feedline should not radiate at all, theoretically, since its far end (at the rig) is forced to be at rf ground potential. That would be a whole lot more convenient, anyway.

On 40m., 66' of feedline was too long, but 33' is pretty good for a field antenna. I still think you need a choke balun, though, just as Cecil suggested. After all, the rig is not a point-source rf generator, so having your feedline a quarter wavelength long might greatly exaggerate any little rf ground loops inside your rig and lead to some instabilities that wouldn't otherwise appear.

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA  
-----whom the gods would destroy, they first make proud -----  
-----ZAP!-----

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: torell@sicom.com (Kent Torell)  
Subject: [13870] Re: fox teams !  
Message-ID: <v02130503af4491e765e0@[192.91.202.41]>

>-> You know, with all you hunters forming these coalition fox teams, you

...

>Well, Kevin, I haven't been an active hunter, but with all this  
>\*ruthless\* behavior being exhibited from the western powers it wouldn't  
>suprise me to see a bunch of renegades form an outlaw raiding party to  
>give these powers something to \*think\* about. ;) Just a thought.

>

>72/73

>Ed Welch KF4KRV

>NorCal Member #???

>1st Grand Poobah ScQRPion of Alabama

>QRP-L #873 - FISTS #2964

>Luverne, Alabama

Ah, but Ed is one of those 'displaced' scqrpion and norcal members :- ) (We  
keep a few scattered around the country for intelligence gathering...)

Kent Torell torell@sicom.com 602-483-2867 x230  
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260  
AB70A scQRPion 7,qrp-1 57,ARCI 9075 DM33xn 33.55 N 111.078 W

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Bill Todd <bill@techline.com>  
Subject: [13816] Re: FOX: Tick, tock, tick, tock  
Message-ID: <1.5.4.32.19970306014106.0068d080@mail.techline.com>

At 03:08 PM 3/5/97 -0500, you wrote:

>You are getting sleepy....

>Tick, tock, tick, tock...

Tom -

That was REALLY funny!

I'll try to be there to give you Washington State (very rare state... only two operators in the entire state, and the other guy sold his rig).

CUL, Bill-N7MFB

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [13808] Re: GAP Vertical question  
Message-ID: <199703060054.SAA26334@multi13.netcomi.com>

> Thanks ! OK, now, how does it perform?  
> Tom, NoBS

Depends. I have a G5RV inverted V with the apex at about 53 feet to compare. As expected, the G5RV usually does better up to about 1300 miles. Beyond that, the vertical often does better. If you were able to get a dipole up at least a half wavelength (not the center of a V, but the whole dipole), the dipole would do a better job all around, I believe.

I had a QSO recently where the other guy could only hear me when I used one of the antennas, and I could hear him only when I used the other antenna. Had to switch the antennas when going between xmit and rcv. The point to learn is that no single antenna will be best for all circumstances.

In real estate, the three most important factors are location, location, and location. In HF antennas, the three most important factors are height, height, and height. The vertical antenna attempts an end-run around that rule, but at the expense of very large ground losses which can never be completely overcome even with an infinite number of radials.

How would the Gap Titan compare with other vertical antennas? I can't say for sure, but I would think that the Gap has at least a fighting chance against other multi-band verticals judging by its design and construction. It will need periodic maintenance, though.

If I could only have one antenna, I'd pick two. But if pressed, I'd probably pick an open-wire fed dipole 70 feet or more high.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [13842] Re: Help - IC socket id  
Message-ID: <3.0.1.32.19970306003252.0097ec70@tiger.avana.net>

Hi Larry... 1st thing I'd do if I was suspicious abt it would be to put my ohmmeter on a high scale and see if any of the pins revealed continuity to any other pin. Should that be the case-yes it is surely something like a R/T clock... but if NONE show anything, it's just thick plastic.  
72/73

Ed Tanton N4XY      EMAIL: n4xy@avana.net      TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663      G-QRP#6779      OK-QRP#172      QRP-L#758      AdvRC#140  
NORCAL#1779      NCDXF      SEDXC

Life Member: ARRL      AMSAT      IDRA      INDEXA      QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Heron, George" <G.Heron@dialogic.com>  
Subject: [13897] RE: HW-8 questions please?  
Message-ID:  
<c=US%a=\_%p=Dialogic%l=EXCHANGE1NJ-970306213527Z-7826@exchange1nj.dialogic.com>

As I recall (while here at work <sigh> and far away from my stock HW-8 at the operating bench) ...

- 1) it's got an RCA phono jack for antenna connector (like used for audio)
- 2) it's about 9" wide, by 4" high, by 6" deep
- 3) it's only several pounds
- 4) it's got a straight key input in the form of 1/4" jack. One wire is ground, the other is the key line (not sure what you were asking).
- 5) you can use standard open-collector-like "direct" connection from most keyers (I use a Curtis 8044-derivative)



I'm sure someone will come along with more precise data, but I hope this helps your curiosity for now.

72/73,

--George N2APB

g.heron@dialogic.com

<http://www.njqrp.org> <-- Home of the NJ-QRP Club!

=====

> I am anxiously awaiting my new (used) HW-8 - here

lately I have a few questions about it -

>[snip ...]

>

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997

From: launerb@crl.com (William H. Launer)

Subject: [13879] Re: Lead-acid battery question

Message-ID: <v01530500af449fc7d935@[192.0.2.1]>

Marty,

>Anyway, if I connect these batteries in parallel, I'll get 12V, and

>\*should\* get close to an 8AH rating for the pair -- correct?

True, but operating batteries in parallel is risky, unless you place an isolation diode in series with each battery upstream of the "paralleling" connection. Batteries are never identical, so without the isolation, the battery with the higher terminal voltage will try to recharge the one with lower voltage. Ordinarily, this isn't much of a problem, because they will tend to equalize as they discharge. The real hazard comes if a cell in one battery shorts - the resulting mismatch can cause excessive current flow and result in fire or explosion.

>Question is: Would the charge rate for these batteries need to be

>adjusted if they were left in parallel? Each battery is charged

Never charge batteries in parallel (for the same reasons stated above).

The battery with the lowest internal resistance will hog the charging current with potential overheating. At trickle charge rates (C/10, or lower), you can get by with it, but at anything higher, it hazardous.

We once had 2 12v automotive batteries connected in parallel for backup power for a 2M repeater. They were floated across the 12V power power bus. For some reason, they became unbalanced, and the electrolyte in one completely boiled away. Fortunately, the repeater was in a concrete block building, so nothing caught fire.

>The plan would be to leave them charged, and take them on weekend

>trips (I think 8AH would get me through a weekend of QRP operating).

This is a good plan, but instead of leaving them on continuous trickle charge, recharge them individually, and disconnect them. Then top them off on Friday before you leave for the weekend. Then use them individually. This way, if one fails, you still have the other, and the weekend won't be a total loss.

As an aside, we do use paralleled Ni-Cads in some spacecraft power systems. The difference is that the batteries are made up of matched cells, then in use the individual battery currents are continuously monitored, and a battery is taken off line if a problem occurs. The cells in off-the-shelf Lead Acid batteries aren't selectively matched - if they were, we couldn't afford them!

72/73 Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-1 #279            qrp arco #3551  
Grid Square EM48RT

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [13852] Re: LED ID  
Message-ID: <3.0.1.32.19970306004802.009897f0@tiger.avana.net>

Bob et al... Although there IS supposed to be a code on the lengths, occasionally-to-often on surplus stuff, the leads will either be cut or even backwards. One surefire way to identify the cathode lead is to look into the interior of the LED... there will be one relatively straight lead and one crooked, almost L-shaped lead. This crooked lead will almost always be the cathode. (In over 20 years I have found only ONE exception: an IR LED used in a Heathkit WX station. Never did understand why the reversal on it. I cannot remember if the current crop of Blue LEDs follow this-I think so however.)

72/73

Ed Tanton N4XY      EMAIL: n4xy@avana.net      TEL: (770)579-3933 V/MBX/FAX

189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663      G-QRP#6779      OK-QRP#172      QRP-L#758      AdvRC#140  
NORCAL#1779      NCDXF      SEDXC

Life Member: ARRL      AMSAT      IDRA      INDEXA      QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: w77kxb@juno.com (William Harris)  
Subject: [13881] Re: Old callbooks  
Message-ID: <19970306.101454.4839.3.w77kxb@juno.com>

W8LRM de W7KXB

I would like to locate someone who has a 54 or 55 callbook. Need to obtain a couple of names of old friends in KL7 land.

Wouldn't it be great if a database, containing the old callbooks, could be set up.

Bill in Mesa, Az.

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [13886] Re: Power Connectors  
Message-ID: <3.0.1.32.19970306135629.009607a0@tiger.avana.net>

Hi Ed... in my short note earlier about the use of Molex connectors in power circuits, I failed to point out that they are rated at 5A 250V... but they are specifically "intended for I/O circuit connections." Molex/Walldom does make a very similar connector line which they describe as a power connector, but in reality these are intended for the relatively low currents of small 125 VAC power-not currents >5A (ratings up to 12A notwithstanding.)

I do not believe anyone is headed for trouble with any of the 'power' connectors at voltages of <250 VAC and currents of <5A. I would not put that much power through an ordinary Molex connector, but would not be uncomfortable at, say 12VDC and 3-5 amps on more than two pins per circuit. However, the current capacity is not linearly additive per pin. With each chunk of heat to dissipate, the connector's total capacity is reduced. Just because it says 5A per connection (and they are implying 'per pin-pair' in

that phrase) does not mean you can put 20A through a 4 pin connector. Not at all.

I discovered a great connector at a hamfest several years ago, researched it, and made up my own kit of pins, packages and tooling. This series is the Anderson Power Products PowerPole connector line. They are rated depending on which size-at 15/30/45 amps or even 75 amps per pin, and will do every bit of it. They are impossible-as far as I can see-to reverse connect, and they are available both in small quantities at hamfests, and from Allied Electronics-right from the catalog. They have multiple colored bodies, silver-plated pins, and can be panel mounted-or floated mid-cable. They are also modular, and hence may be physically combined into multi-pin power connectors. They're also relatively small, with approx. 0.3" x 0.3" x 1.6" for one connected pair (1 wire.) The pins cost from \$0.15 ea to \$1.43 (75A) in onesies. The bodies are equally cheap at \$0.31 each for the 15/30/45 amp size!

I do not work for anyone connected with them/etc. and cannot recommend them enough.

72/73

Ed Tanton N4XY      EMAIL: n4xy@avana.net      TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663      G-QRP#6779      OK-QRP#172      QRP-L#758      AdvRC#140  
NORCAL#1779      NCDXF      SEDXC

Life Member: ARRL      AMSAT      IDRA      INDEXA      QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Zack Lau <zlau@arrl.org>  
Subject: [13894] Re: Power Connectors  
Message-ID: <331F2E32.77D0@arrl.org>

Ed Tanton wrote:

> I discovered a great connector at a hamfest several years ago, researched  
> it, and made up my own kit of pins, packages and tooling. This series is  
> the Anderson Power Products PowerPole connector line. They are  
> rated depending on which size-at 15/30/45 amps or even 75 amps per pin, and  
> will do every bit of it. They are impossible-as far as I can see-to reverse  
> connect, and they are available both in small quantities at hamfests, and

> from Allied Electronics-right from the catalog. They have multiple colored  
> bodies, silver-plated pins, and can be panel mounted-or floated mid-cable.  
> They are also modular, and hence may be physically combined into multi-pin

I tried using Anderson connectors for a year or two and discovered that with all the gear I had for portable operation (6M to 10 GHz SSB/CW/FM) that they just weren't reliable enough. The modular connectors would come apart, and if you aren't careful you could reassemble them for cross polarity... You know, those times when the Milky Way is really bright.

The biggest problem was the occasional open circuit--the connector would visually look OK but wouldn't pass current. This is important when putting together a complex station for a weekend contest--you don't want to miss the rush of activity at the beginning. I've already started setting up Friday, so starting earlier isn't an option.

However, I didn't try investing in the expensive crimping tool to see if that would help. I did find a look-alike connector that actually locked together at a flea market, but couldn't figure out who made it.

I've since replaced them all with Molex connectors which have done a fine job, since they only need to handle a few amps max. Much of the gear is designed to withstand a dropping battery voltage, so I don't need the ultimate in low loss contacts.

--Zack Lau W1VT    [zlau@arrl.org](mailto:zlau@arrl.org)

> power connectors. They're also relatively small, with approx. 0.3" x 0.3" x  
> 1.6" for one connected pair (1 wire.) The pins cost from \$0.15 ea to \$1.43  
> (75A) in onesies. The bodies are equally cheap at \$0.31 each for the  
> 15/30/45 amp size!

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: [ka7you@juno.com](mailto:ka7you@juno.com)  
Subject: [13902] Re: Power Connectors  
Message-ID: <19970306.130901.3215.7.KA7YOU@juno.com>

Ed,

I'm glad to see that others are using the Power Pole connectors.  
I've posted to the list before, and in many private responses,

regarding these connectors.

Our club (the Issaquah Amateur Radio Club) and some others in the area have been using them for several years for a standard hookup. It all started when the mobile 2M rigs went above 20 to 25 watts and the ARRL proposed "standard 2-pin Meltex" connectors could not handle the current. By design they could, but I've seen too many deformed during installation, and as a result fail to provide the proper contact.

Our club buys the Anderson Power Pole connectors in minimum quantities of 100 pieces and then distribute them as needed. They run \$.40 per housing w/pin assembly at that quantity, so a plug (2-wire) is \$0.80. We use as a standard, the red and black ones mated side by side, with the red one on the right side when looking at the terminal end.

The standard orientation (according to Anderson ) is with the widest part of the terminal end UP. I can't draw it here, but if you look at the end there is a small plastic piece protecting the contact on the bottom side. It is also the side with the contact retaining spring. (It has an "A" embossed in it on the genuine Anderson parts) The wider inverted "U" shaped piece is on the top, sort of 'covering' the contact. We use (for memory purposes) the saying, " Red on the right , when under cover" It is kind of dopey, but it seems to help us remember the configuration.

The one drawback to these is the availability. You won't find them in every little town in a Radio Shack store.

We have a printed installation drawing. If it is of interest, I could send it to one of the web sites.

Thanks for the bandwidth.

7 3

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz  
NWQRP#120 ARCI#7251  
QRP-L#844

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Raventhorne <jelder@ix.netcom.com>  
Subject: [13873] Re: Proposed licensing changes  
Message-ID: <2.2.16.19970306074843.41afc514@popd.ix.netcom.com>

At 07:49 AM 3/5/1997 -0600, Brian Cieslak wrote:

>But sloppy style is subjective and I can see VE's spending a lot of time  
>arguing with those he or she failed.

Yes, it is subjective. Best to administer the test so the VEs don't know who is sending the code. I think it's a great idea, however. I've recently returned to CW and am amazed at the number of hamfisted operators out there.

Some are dang near impossible to understand--too much sloppiness. Characters run together, extra dits, no spacing between words. It would be nice for somebody to make certain that an operator can =SEND= code before licensing them to use a key . . .

73,

John  
K06TS

@~~~

@ John Elder, Wide Sky Men's Council  
@ (310) 416-9901 Box 232, El Segundo, CA 90245

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [13804] Re: QRP-L Debugging Contest  
Message-ID: <199703060032.SAA25332@multi13.netcomi.com>

Bob --

I wholeheartedly agree. I would not have been able to get where I did without Larry's work. I don't know how to do it, but I think Larry deserves a large part of the reward and recognition.

This was NOT a case where the first debugger was stumped and the second found the magic solution. Larry did a fantastic job, and I have no doubt that he would have been 100% successful given a few more days. The problem just needed more than one week, and I would not have succeeded if I was the first one on the list.

Although billed as a race between competitors, it was more like a relay race with all the members on the same team, each one contributing to the final goal. I got help from Larry and from the other debuggers further down the list.

Of course, this may be moot if the judges find fault with the rig!

If you saw a TenTec1340 in half do you get two TenTec 1320s?

I'm open to suggestions.

Mike K1MG

> Doug,  
>  
> I don't think that it is quite fair to reward just Mike; Larry did a  
> fantastic job, also, and just ran out of time. Mike was able to "build"  
> on Larry's effort and finish the job. I'm not in a position to contribute  
> another prize, but I would certainly be willing to contribute toward one  
> for Larry.  
>  
> What do you say?  
>  
> 72/73  
>  
> Bob Parks  
> K6AEC (Las Vegas)  
>  
>

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [13807] Re: QRP-L Debugging Contest  
Message-ID: <Roam.SIMC.2.0.4.857609249.31141.myers@bigboy>

Mike K1MG wrote:

> Of course, this may be moot if the judges find fault with the rig!  
>  
> If you saw a TenTec1340 in half do you get two TenTec 1320s?

If you're not comfortable receiving the reward, I'd suggest donating it to  
a good cause, like a club ham station, or Field Day effort.

However, the rules are the rules and I don't think Mike should feel guilty  
about being the one with the "hot potato" when it went off.

Dana K6JQ  
Dana@Source.Net

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: rob3ert@juno.com (Robert G. Parks)  
Subject: [13814] Re: QRP-L Debugging Contest  
Message-ID: <19970305.172044.8806.1.rob3ert@juno.com>



Mike,

Please don't think that I was demeaning the effort you put in finally solving the problem(s); not at all! I just think that Larry deserves recognition for all the early effort he put in; I believe you said he compiled 82 pages of notes on the design and what he found. I was just suggesting that there be two prizes and that I would gladly contribute to an additional prize.

TNX es 72/73

Bob Parks  
K6AEC (Las Vegas)

Sorry for the BW, gang.

On Wed, 5 Mar 1997 16:30:11 -0800 "Michael A. Gipe"

<mgipe@reliablemeters.com> writes:

>Bob --

>

>I wholeheartedly agree. I would not have been able to get where I did  
>without Larry's work. I don't know how to do it, but I think Larry  
>deserves a large part of the reward and recognition.

>

>This was NOT a case where the first debugger was stumped and the  
>second  
>found the magic solution. Larry did a fantastic job, and I have no  
>doubt  
>that he would have been 100% successful given a few more days. The  
>problem  
>just needed more than one week, and I would not have succeeded if I  
>was the  
>first one on the list.

>

>Although billed as a race between competitors, it was more like a  
>relay  
>race with all the members on the same team, each one contributing to  
>the  
>final goal. I got help from Larry and from the other debuggers  
>further  
>down the list.

>

>Of course, this may be moot if the judges find fault with the rig!

>

>If you saw a TenTec1340 in half do you get two TenTec 1320s?

>

>I'm open to suggestions.  
>  
>Mike K1MG  
>  
>  
>> Doug,  
>>  
>> I don't think that it is quite fair to reward just Mike; Larry did  
>a  
>> fantastic job, also, and just ran out of time. Mike was able to  
>"build"  
>> on Larry's effort and finish the job. I'm not in a position to  
>contribute  
>> another prize, but I would certainly be willing to contribute toward  
>one  
>> for Larry.  
>>  
>> What do you say?  
>>  
>> 72/73  
>>  
>> Bob Parks  
>> K6AEC (Las Vegas)  
>>  
>>  
>  
>

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [13818] Re: QRP-L Debugging Contest  
Message-ID: <199703060210.UAA30153@multi13.netcomi.com>

Bob --

I didn't take it that way at all! Your email rang true with me because I had been thinking the very same thing. In fact, I talked about that to a few people at the NorCal meeting on Sunday. I'm glad that you brought it up on the list because I was starting to feel a little guilty with all the congratulatory messages.

Of course, it still ain't over until the fat radio sings for the judges!

I hope you enjoyed the process.

Mike K1MG

-----

> From: Robert G. Parks <rob3ert@juno.com>  
> To: mgipe@reliablemeters.com  
> Cc: rob3ert@juno.com; qrp-1@lehigh.edu  
> Subject: Re: QRP-L Debugging Contest  
> Date: Wednesday, March 05, 1997 5:21 PM  
>  
> Mike,  
>  
> Please don't think that I was demeaning the effort you put in finally  
> solving the problem(s); not at all! I just think that Larry deserves  
> recognition for all the early effort he put in; I believe you said he  
> compiled 82 pages of notes on the design and what he found. I was just  
> suggesting that there be two prizes and that I would gladly contribute to  
> an additional prize.  
>  
> TNX es 72/73  
>  
> Bob Parks  
> K6AEC (Las Vegas)  
>

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: john andrews <jm165723@eee.org>  
Subject: [13831] Re: QRP-L Debugging Contest  
Message-ID: <331E3E5E.1BD5@eee.org>

Robert G. Parks wrote:

>  
> Mike,  
>  
> Please don't think that I was demeaning the effort you put in finally  
> solving the problem(s); not at all! I just think that Larry deserves  
> recognition for all the early effort he put in; I believe you said he  
> compiled 82 pages of notes on the design and what he found. I was just  
> suggesting that there be two prizes and that I would gladly contribute to  
> an additional prize.  
>  
> TNX es 72/73  
>  
> Bob Parks  
> K6AEC (Las Vegas)  
>

> Sorry for the BW, gang.  
>  
> On Wed, 5 Mar 1997 16:30:11 -0800 "Michael A. Gipe"  
> <mgipe@reliablemeters.com> writes:  
> >Bob --  
> >  
> >I wholeheartedly agree. I would not have been able to get where I did  
> >without Larry's work. I don't know how to do it, but I think Larry  
> >deserves a large part of the reward and recognition.  
> >  
> >This was NOT a case where the first debugger was stumped and the  
> >second  
> >found the magic solution. Larry did a fantastic job, and I have no  
> >doubt  
> >that he would have been 100% successful given a few more days. The  
> >problem  
> >just needed more than one week, and I would not have succeeded if I  
> >was the  
> >first one on the list.  
> >  
> >Although billed as a race between competitors, it was more like a  
> >relay  
> >race with all the members on the same team, each one contributing to  
> >the  
> >final goal. I got help from Larry and from the other debuggers  
> >further  
> >down the list.  
> >  
> >Of course, this may be moot if the judges find fault with the rig!  
> >  
> >If you saw a TenTec1340 in half do you get two TenTec 1320s?  
> >  
> >I'm open to suggestions.  
> >  
> >Mike K1MG  
> >  
> >  
> >> Doug,  
> >>  
> >> I don't think that it is quite fair to reward just Mike; Larry did  
> >a  
> >> fantastic job, also, and just ran out of time. Mike was able to  
> >>"build"  
> >> on Larry's effort and finish the job. I'm not in a position to  
> >contribute  
> >> another prize, but I would certainly be willing to contribute toward  
> >one  
> >> for Larry.

> >>  
> >> What do you say?  
> >>  
> >> 72/73  
> >>  
> >> Bob Parks  
> >> K6AEC (Las Vegas)  
> >>  
> >> Yep..greatest entertainment I've had in a while. Where do I send  
my contribution? Best thing since Bob's(the other Bob) stab at  
the NW8020.  
N5INZ  
> >  
> >

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: "KA5T Larry Wise" <lewise@inetport.com>  
Subject: [13839] Re: QRP-L Debugging Contest  
Message-ID: <199703060448.WAA10730@admin.inetport.com>

Hey Gang....

Thanks for the allocades, but the rules are the rules and  
were clearly understood...We all knew how it would  
work from the start...

I've received plenty of recognition in the form of email  
both off and on the list....

I'm very happy with the result....

Mike deserves the prize...He won...

Lets all set back and enjoy a cool one and wait for  
the next activity to be cooked up.....  
Larry

KA5T Larry Wise Georgetown, Texas lewise@inetport.com QRP-L 89 ex K8OSG  
W6HED W4ZTB

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Dave Sjolin <sjolin@swbell.net>  
Subject: [13849] Re: QRP-L Debugging Contest

Message-ID: <331E7623.3288@swbell.net>

Robert G. Parks wrote:

>  
> Doug,  
>  
> I don't think that it is quite fair to reward just Mike; Larry did a  
> fantastic job, also, and just ran out of time. Mike was able to "build"  
> on Larry's effort and finish the job. I'm not in a position to contribute  
> another prize, but I would certainly be willing to contribute toward one  
> for Larry.  
>  
> What do you say?  
>

I agree with Bob. Put me down for a contribution also. 73 de Dave, N0IT

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Jim Hydzyk <congress@magpage.com>  
Subject: [13860] Re: QRP-L Debugging Contest  
Message-ID: <199703061420.JAA13402@alaska.magpage.com>

>I'm open to suggestions.  
>  
>Mike K1MG  
>

Asking for suggestions on this reflector is like asking if anyone wants that last piece of pizza. Here's mine:

Let Larry get the satisfaction of building the Ten-Tec, and then let you have it to use for the rest of your life. Then will it back to him. It might take a while for it to get back to him but at least he'll know it will work when he gets it.

Opening scene: Total silence. Then the UPS van delivering newly build TT rig starts bouncing with the first arriving undulations from the quake.

Music begins over the amplified sound of the delivery mans shoes scraping against the gravel stone as he flees his truck. With out looking back he hears the crushing sound of a tree smashing the fiberglass roof and then the metal sides of the running truck.

Typical fear scenes---then silence. It was quick, just a flash of shearing action from the pulse wave. All is calm.

Wide angle 24MM lens shot of the roadway shows a car approaching. It turns into the driveway in front of the now burning UPS truck. Driver of truck meets man.

Dicussion ensues. Sir, do you livehere? Yes is the shaken reply. Then I have bad news...were you expecting a package from someone named Larry?

Music; Requiem K.626 fades up. Man looks back to house in fine condition then painfully turns to the truck, takes a few steps toward it, drops to his knees facing roughly in the direction of Dallas and weeps.

Credits: Delivery man: Don Knotts  
Home owner: Rodney Dangerfield

Financed by: WGE Enterprises  
Directed By: W. Green

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: N9DD@aol.com  
Subject: [13812] Re: Re[2]: CW sending tests  
Message-ID: <970305200333\_1482500366@emout10.mail.aol.com>

In a message dated 97-03-05 15:06:18 EST, you write:

<< Let's face it, 90% of us are nervous when we sit down to take a CW test. Playing games like this doesn't make things any easier. I guess there's a "civilized" way to give the exam (making the examinee feel at ease), or there's the old way of intimidation. As for me, I want to see people use and enjoy CW, not fear and dread it.

Just MHO

73 de Dave NR3E >>

Hi Dave

I gave well over a hundred novice cw tests in the pre-VEC days. A trick I pulled regularly was to tell the testee "Before we start the test, I'll send you a little bit to get you warmed up." I usually sent about 30 characters or so at 5 wpm. Most of the time, the testee had everything copied perfectly. They sure were surprised when I'd say "Congratulations, you passed!". The usual reply was "What about the test?" and of course the answer to that was

that they had just taken it.

73,

Tom N9DD

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [13815] Re: Re[2]: CW sending tests  
Message-ID: <3.0.16.19970305135104.36f709d6@mail.lightside.com>

I too took my Novice and General CW sending test from the FCC. They were strict and fixed in how you took the test. But could it have been because their primary responsibility was to commercial radio and telegraph licenses? Amateur licenses were a side duty.

When I sat for the Advanced the FCC agent in charge talked me into taking the 2nd Class Radio Telephone test, and I passed. If it had been left to me I never would have taken it.

Dan Hogan  
West Covina, CA  
dhhogan@lightside.com

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [13896] Re: Ten Tec Model 13xx  
Message-ID: <3.0.16.19970306130337.255f1dfa@mail.lightside.com>

Vic:

Make sure it's the board with the through plated holes. Earlier ones had a poor board, the pads and traces came off. Otherwise I would rate it at a good kit if it's not your first. The board is more crowded than an OHR.

At 13:10 3/6/97 -0500, Vic Blackwell Wrote

>Hello all,

[Snip]

>

>Has anyone seen/built/used this little rig? I would like to  
>hear from some of the folks on the list for their comments and  
>opinions.



72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,  
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949  
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: tahrens1@juno.com (Tim H. Ahrens)  
Subject: [13888] Re: Tonight - N/T FOX Graduation Party  
Message-ID: <19970306.131449.9183.0.tahrens1@juno.com>

Hey Barry - what time will the refreshments be  
served?

cu tonite!

Tim W5FN

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: N4JS <jsielke@pobox.com>  
Subject: [13907] Re: WARC Bands  
Message-ID: <Pine.LNX.3.95.970306183715.216A-100000@jsielke.ppp.cyberenet.net>

OK, OK, sorry I even mentioned it. Bad idea. Forget it. You, with the  
spray paint, get away from my car. Put down that rock!! NO!.....

|                               |                                                                     |
|-------------------------------|---------------------------------------------------------------------|
| _ _ _ _ _                     | John L. Sielke n4js@amsat.org n4js@pobox.com                        |
| \         _     / _ _         | n4js@n4js.ampr.org NJ Grid:FM29LN                                   |
| . '     _ _         \ _ _ \   | <a href="http://www.pobox.com/~n4js">http://www.pobox.com/~n4js</a> |
| _   \     _   \ _ _ /   _ _ / | NJ-QRP #57 QRP-L #884 QRP-ARCI #9328                                |
| NE-QRP #507 G-QRP #9544       | Norcal #???? QCWA Life Member                                       |

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: Vic Rosenthal <rakefet@rakefet.com>  
Subject: [13895] Re: WARC Bands?  
Message-ID: <331F335C.45C9@rakefet.com>

n4js@amsat.org wrote:

>

> I have a question, and since I think some of the contest coordinators for ARCI,  
> Norcal, NE QRP, etc, are here, I guess this is the place to ask.

>

> Basically, it's this. I can understand why by "Gentlemen's Agreement" the BIG  
> contests, such as Field Day, SS, DX contest, etc., are not on the WARC bands,  
> but why not the QRP contests, such as QTTF, QRP Afield, etc?

<snip>

My first thought is, "yeah, great!" Unfortunately, the slippery slope is the problem. How do you determine which contests are OK? Who determines this? I'm afraid of undermining the simple, clearcut 'agreement'. But I could be wrong.

Vic K2VCO

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997

From: Joe Gervais <vole@primenet.com>

Subject: [13898] Re: WARC Bands?

Message-ID: <199703062210.PAA25584@usr05.primenet.com>

Howdy All,

John (N4JS) wrote:

> I can understand why by "Gentlemen's Agreement" the BIG contests, such  
> as Field Day, SS, DX contest, etc., are not on the WARC bands, but why  
> not the QRP contests, such as QTTF, QRP Afield, etc?

Having only become a recent (and still very casual) tester, I can appreciate the "Keep WARC Contest-Free" sentiment. Nothing worse than wanting a quality ragchew, meet a new friend on the air, etc, only to find that a contest is taking up the bands. Or worse yet, having one blindly start calling CQ on top of your ragchew. Some tester's ears don't seem to activate 'til \*after\* they've tuned up on you. :-/

True, QRPTTF, 'Afield, FYBO, etc. aren't nearly on the same scale as the Monster Contests (SS et. al.) but they can be surprisingly big. Even 40-50 QRPers crammed into the bottom 20Khz of 30m is going to make things a wee big snug. :-)

Then there's the danger that other "small" contests, QRO this time, would begin to follow the slippery slope.

> These bands seem somewhat under-utilized as it is. Also, for example,  
> 30M is a TERRIFIC QRP band, and easy for Field type antennas.

Indeed, but I think one of things that makes 30m such a great band (other than the power limit) \*is\* the light usage relative to 20m/40m. Always easy to find a spot to call CQ for a ragchew. 30m to me is the equivalent of a national park - After spending a hectic week in the rush-hour crunch of the other bands, you can retreat to 30m, stop, smell the flowers, take a few pictures, etc. Some us end up staying there. :-)

Then there's Chuck's TMPs (Thirty Meter Propagation Study). Now \*that\*'s a perfect "contest" for the WARC bands....

> OK, now, no flames. There may be a really good reason this is a stupid idea.

Well there \*is\* the Super Secret WARC Enforcement Squad of the Judean People's Front. They used to be a suicide squad 'til they all killed themselves in training. Still a nasty bunch though - mean streak a mile wide. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"What, a RAW FROG?!? Don't you even take the bones out?"

"If we took the bones out they wouldn't be crunchy, would they?"

From owner-qrp-l@Lehigh.EDU Thu Mar 6 18:04:12 1997

From: Roger Hightower <n7kt@dancris.com>

Subject: [13899] Re: WARC Bands?

Message-ID: <331F424C.76A1@dancris.com>

I suppose the same questions could be asked by the rtty/amtpr/pactor folks. After all, they can use minimum power too. Then 30M will be wall to wall digital testers.

Let's leave well enough alone....it's a good sanctuary.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj

NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400, HW-9

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Thu Mar 6 18:04:12 1997  
From: n4js@amsat.org  
Subject: [13901] Re: WARC Bands?  
Message-ID: <XFMail.970306172615.n4js@amsat.org>

On 06-Mar-97 Stanley Wilson expounded:  
>YES YOUR IDEA IS STUPID - We HAVE ENOUGH DAMM CONTESTS ON THE BANDS NOW.

Ah yes, exactly what I was looking for. An intelligent, well thought out response. Thank you, Stanley.

Sent at 17:26:15 on 06-Mar-97

|                                 |                                                                     |                |                  |
|---------------------------------|---------------------------------------------------------------------|----------------|------------------|
| _ _ _ _ _                       | John L. Sielke                                                      | n4js@amsat.org | n4js@pobox.com   |
| \           _     / _           | n4js@n4js.ampr.org                                                  | NJ Grid:FM29LN |                  |
| . '     _ _       \ _ _ \       | <a href="http://www.pobox.com/~n4js">http://www.pobox.com/~n4js</a> |                |                  |
| _   \ _     _   \ _ _ /   _ _ / | NJ-QRP #57                                                          | QRP-L #884     | QRP-ARCI #9328   |
| NE-QRP #507                     | G-QRP #9544                                                         | Norcal #????   | QCWA Life Member |